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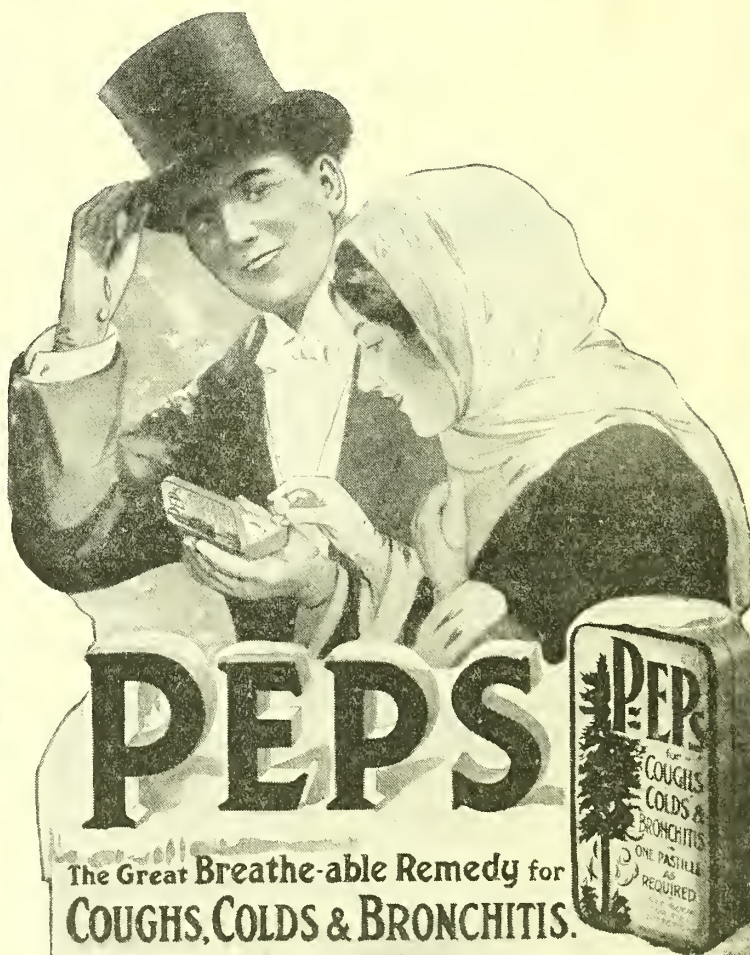
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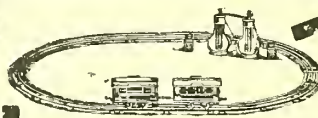
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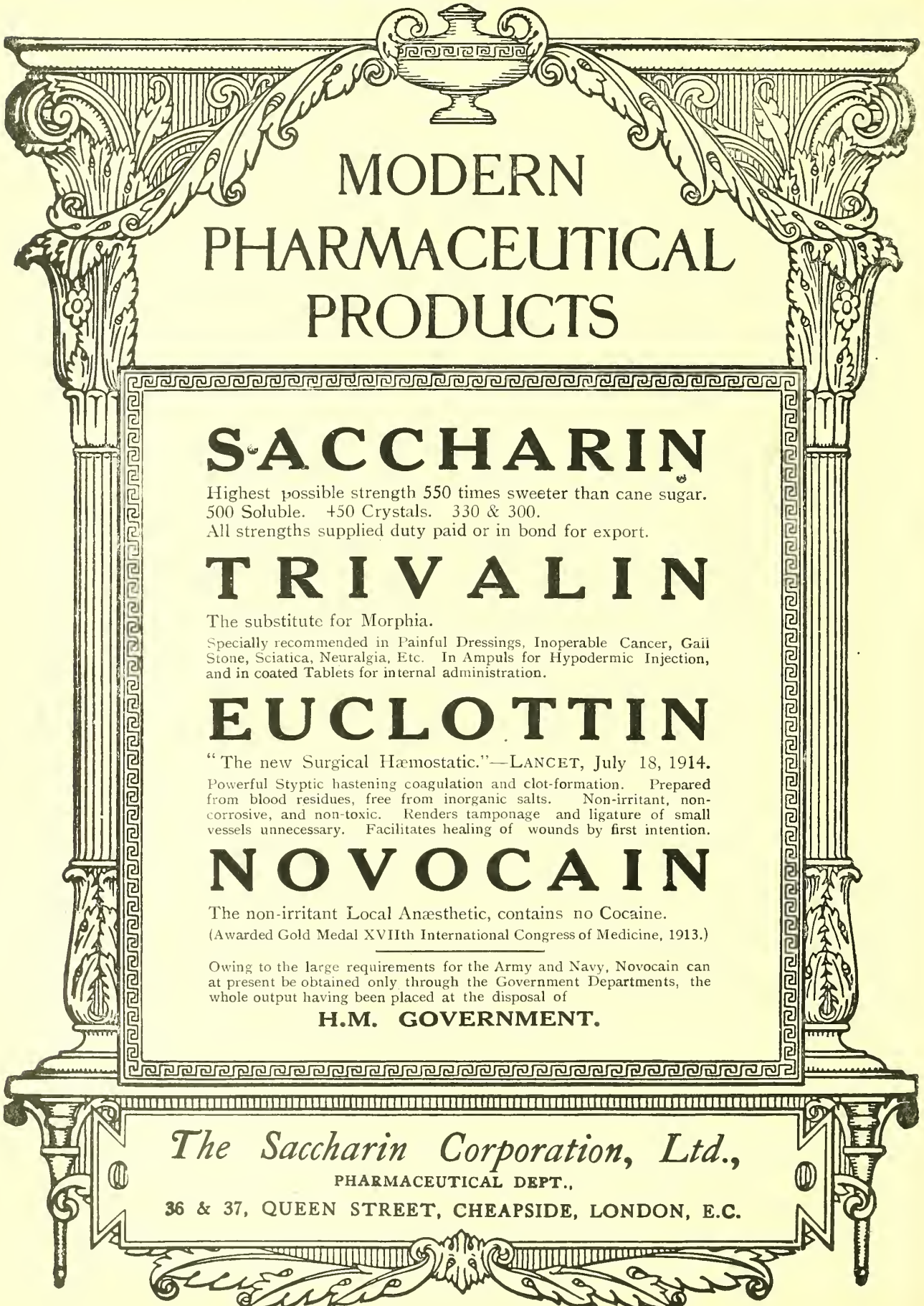
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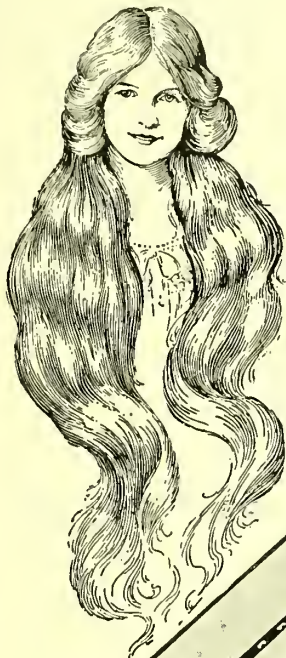
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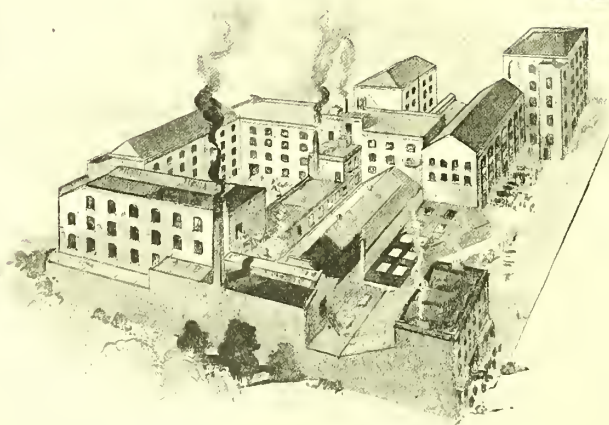
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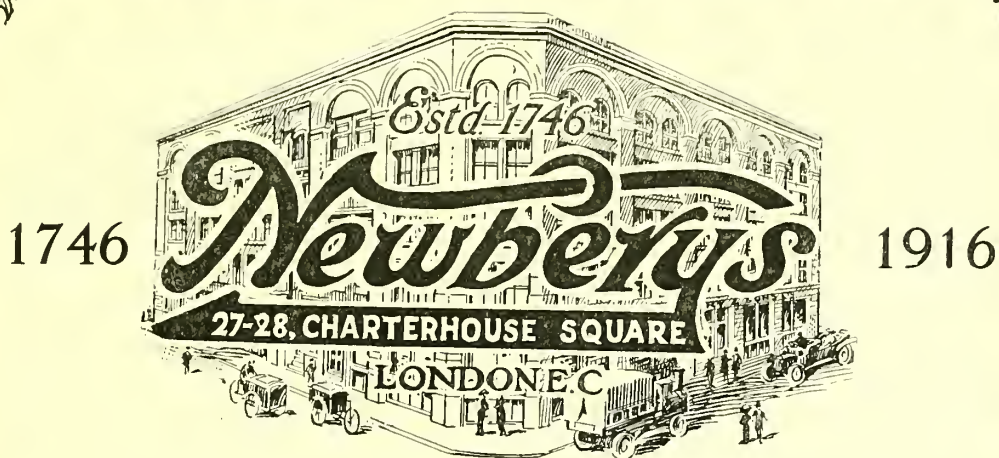
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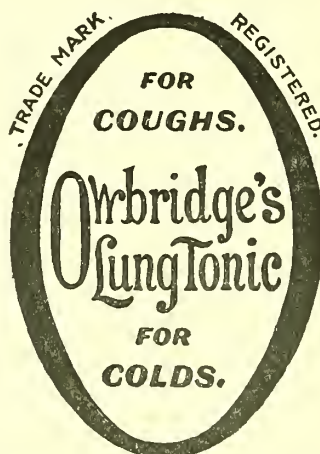
**The Bigger the Business**  
done by this Country  
**The Sooner the Victory**  
for the Allies.

THIS HAS BEEN CLEARLY  
SHOWN BY RECENT EVENTS,  
SO WE ASK ALL CHEMISTS  
TO CO-OPERATE WITH US  
TO THAT END DURING THE  
COMING YEAR.

**Cordial Greetings and Good  
Wishes to all in the Drug Trade.**

***Francis Newbery & Sons, Ltd.***

*Druggists' Sundriesmen and Manufacturers,  
27 Charterhouse Sq., London, E.C.*



Mem. for 1916.

*When ordering Lung Tonic be sure  
that it bears the  
above Trade Mark.*

This is the only way  
to ensure that you will  
receive the good profit  
on your sales and  
repeat orders.

All these help towards  
that

PROSPERITY & HAPPINESS

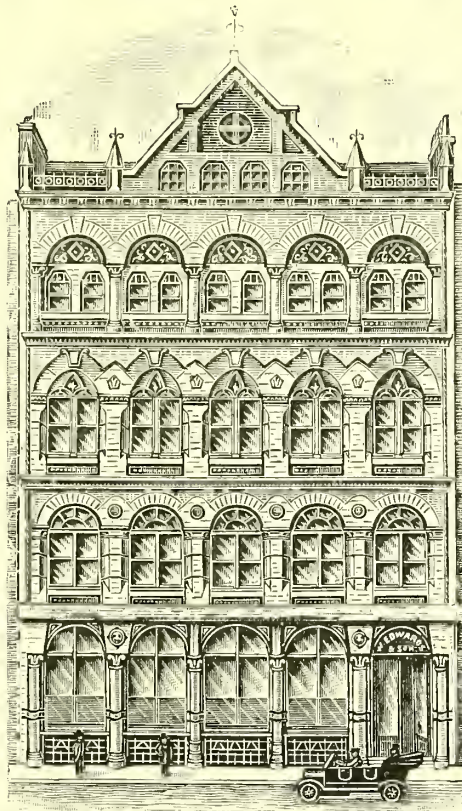
during the New Year  
which we wish for all  
in the Drug Trade.

---

W. T. OWBRIDGE, LTD., HULL.

1916

# DRUGGISTS' SUNDRIES



In spite of the  
many difficulties  
occasioned by  
the War

there are *few*  
**SUNDRIES**  
we are *unable*  
to supply.

IT WILL PAY YOU TO ORDER YOUR  
“SUNDRIES”

as well as your PROPRIETARIES from

**W<sup>M</sup>. EDWARDS & SON**

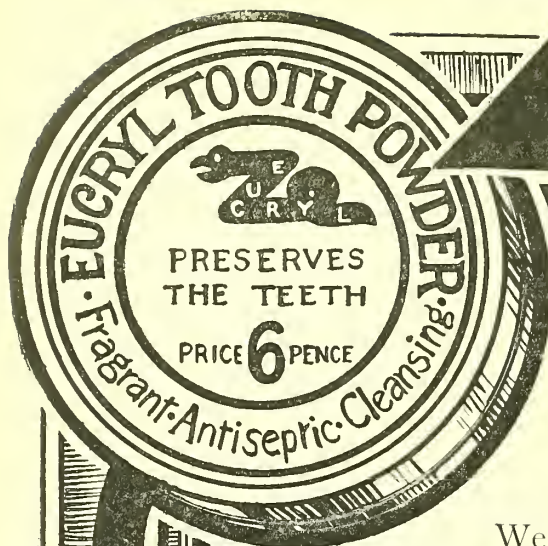
HEARTY GREETINGS & BEST WISHES FOR THE FORTHCOMING YEAR

157 Queen Victoria Street. and 239-240 Upper Thames Street, LONDON.

Telephones : BANK 285, CENTRAL 5698.

Telegrams : “MEDICINES, CENT, LONDON.”

**ESTABLISHED 130 YEARS.**



**We do not hold**

with pessimism either as regards the War or Trade.

We know we shall win, and that

**Eucryl**

will help to make Chemists prosperous and happy during the coming year.

**GREETINGS &  
GOODWILL**



**EUCRYL LIMITED**

61-63 Lant Street, Southwark,  
LONDON, S.E.



# The National Drug Co., Ltd.

send their Cordial Greetings to their English and Colonial clients, and beg to notify their change of Head Offices from Dyott House, New Oxford Street, W., to

**65 JUDD ST., LONDON, W.C.**

and their Laboratories and Warehouse to  
**50 NEW NORTH ROAD, LONDON, N.**

*An extensive advertising campaign will be inaugurated in the New Year.*

For Christmas and  
New Year presents

## PUSH

**ANZORA CREAM.** It will delight a man to use, whatever his age, or whether he be in khaki or 'civis.' Anzora will keep the most uncontrollable hair in place without the aid of oil or grease, and it is a splendid tonic for hair roots and scalp.

*Beware of substitutes—they are apt to leave flaky deposits and are sure to disappoint customers.*

## ANZORA HAIR CREAM

Trade Terms:

11/6 per doz. Retail at 18/-  
19/6 " " 30/-

Special Leatherette Cases may be obtained for putting up Anzora for presentation purposes.

Anzora Perfumery Co.  
32/34 Willesden Lane,  
London, N.W.



PERFECT PHOTOGRAPHIC EMULSIONS  
depend on the purity of their  
ingredients.

### NITRATE SILVER

is the most important of these, and it happens also to be very sensitive to contamination.

A wide margin of safety has therefore always been our principle in manufacturing it. Firstly, throughout the whole of our processes we use exclusively vessels made of Gold and Platinum. Secondly, all our first crystals are twice redissolved and recrystallised. Thirdly, every batch of final crystals is tested before passing into our stock.

Our guarantee of highest purity is thus assured.

Competitive Quotations on request.  
Mark indents "Johnson, Matthey's."

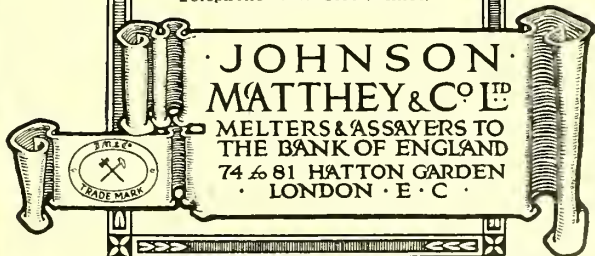
None genuine if not labelled with  
our name and Trade Mark.

Cables—"MATTHEY LONDON"  
(all Codes used).

Telephone—9740 CITY (6 lines).

## JOHNSON MATTHEY & CO<sup>LTD</sup>

MELTERS & ASSAYERS TO  
THE BANK OF ENGLAND  
74 & 81 HATTON GARDEN  
LONDON • E • C



## Toogood's Packed Toilet Preparations in Collapsible Tubes.



2629



2667



2508



2509



2452

No. 2629.	Toilet Lanoline	...	3 sizes	...	2/9, 3/9 and 5/6	per doz.
„ 2667.	Boracic Ointment	...	2	„	3/3 and 4/9	„
„ 2508.	Cold Cream	...	2	„	3/9 and 5/6	„
„ 2509.	Vanishing Cream	...			3/6	„
„ 2452.	Solid Brillantine	...			6/-	„

*Customer's name free on 3 dozen of any one kind, and showcard supplied.*

**WILLIAM TOOGOOD, Ltd., 77 Southwark St., London, S.E.**

**A powerful antiseptic and deodorant.**

# “PETAL DUST”<sup>REGD.</sup>

**The greatest of all floral air-purifiers.**

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. “PETAL DUST” has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

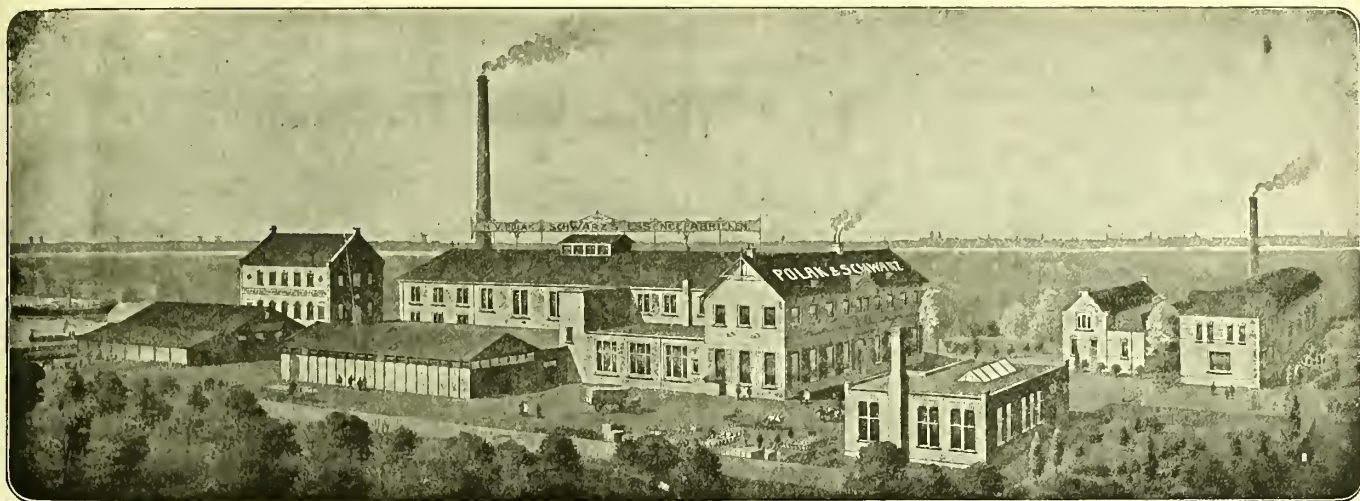
**Retails in 3d. and 6d. packets**

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

**THE ROSMARINE MANUFACTURING COMPANY,  
STAMFORD STREET, LONDON, S.E.**

CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.



# THE LIST YOU WANT

THESE ARE SOME OF OUR SPECIALITIES.

## SYNTHETIC PERFUMES

ALDEHYDES:  
 $C_8$ ,  $C_9$ ,  $C_{10}$ ,  $C_{11}$ ,  $C_{14}$ .  
 ALDEHYDES  $C_{12}$ : LAURINIC,  
 — METHYLNONYLACETIC  
 ANTHRANILATE OF  
 CITRAL [METHYL  
 CITRONELLAL  
 CITRONELLOL  
 GERANIOL ROSE  
 GERANIOL FOR SOAP  
 LINALOOL  
 ROSENEON  
 SAFROL  
 TERPINEOL  
 VIOLETS 100%  
 ALL KINDS OF ESTERS, &c.

## ESSENTIAL —OILS—

OF:  
 ALMONDS, BITTER, S.A.P.  
 ANGELICA ROOT  
 COGNAC, GREEN-WHITE  
 COGNAC, ARTIFICIAL  
 FENNEL (SWEET)  
 GINGER  
 LIMES, DISTILLED &  
 TERPENELESS  
 MUSTARD, GENUINE &  
 ARTIFICIAL  
 NUTMEG  
 PETIT GRAIN, &c.

## FLOWER —OILS—

ACACIA  
 CARNATION  
 FOUGÈRE  
 HELIOTROPE  
 JASMIN  
 LILAC  
 LILY OF THE VALLEY  
 NARCISSUS  
 NEROLI  
 ROSE RED  
 ROSE MOSS  
 ROSE ORIENT  
 VIOLET  
 WALLFLOWER, &c.

**N. V. POLAK & SCHWARZ'S ESSENCEFABRIEKEN**

ESTABLISHED

**ZAANDAM—1889—HOLLAND**

## NEW MINIMUM RETAIL PRICES

# CALVERT'S

## CARBOLIC

# Tooth Powder

6d. size - now 5d. retail

1/- ,, - ,, 10d. ,,

1/6 ,, - ,, 1/3 ,,

5/- ,, - ,, 4/6 ,,

The minimum retail price for Calvert's  
Carbolic Ointment is now 1/1½

Revised Price List, dated November 1,  
1915, and new schedule of minimum  
retail prices, sent on request from

**F. C. CALVERT & CO.**  
P.O. Box 147, MANCHESTER.

**F. M. RUDD,**  
Bronson,  
**MICHIGAN,**  
U.S.A

## GENUINE AMERICAN PEPPERMINT OIL

"Columbia" Natural  
"Diamond White"  
Re-distilled.

Finest qualities for Druggists,  
Distillers and Confectioners.

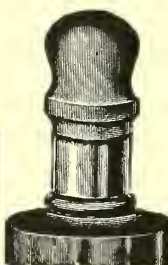
Sole Consignees in United Kingdom—

**R. W. GREEFF & CO.**

Thames House,

Queen St. Place, LONDON, E.C.

## The Best Capping in the Whole World.



## SEMREH

Self-Fixing and Air-Tight

### BOTTLE CAPS


Far Superior to Pleated  
Paper or Leather Cappings

**PROMPT DISPATCH.**

Apply now for Booklet and full particulars :—  
The Viscose Development Co., Ltd.  
BROMLEY, KENT.

## Selling Splendidly!



THE  
WHITE  CROSS  
CARBOLIC  
TOOTH POWDER.

### CONFINED TO PHARMACISTS!

Two Sizes: 21/- and 33/- gross.

1d. Sample Tin, 7/6 gross.

The Institute of Hygiene have granted their  
Certificate of Merit for this article; also for the

### WHITE CROSS BABY POWDER

IN DECORATED SPRINKLER TINS:

4/- doz.; 3 doz. 3/9; 6 doz. 3/7; 12 doz. 3/3.

On the P.A.T.A. at 6d.

Showcards issued for both articles, being a  
reproduction of the Certificate of Merit.

Write for Samples and judge for yourself.

**SHIRLEY BROTHERS, LTD.**

Whitecross Works, London, S.E.

## "IN PREPARATION."

Messrs. KAY BROTHERS, Ltd., beg to inform the trade  
that they will shortly be going to press with their popular  
Annual, the

### "FAMILY REFERENCE AND FIRST AID BOOK," 1916,

revised and added to, containing 26 pages of interesting and  
useful reference matter, in stiff paper cover printed in  
colours; also.

## COUNTER BILLS

in two sizes, 11 in. × 9 in. and 6 in. × 7½ in. The larger size is  
specially adapted for Counter use and wrapping of 6 to 8 oz.  
bottles. The paper is of best quality, smooth, plainly printed  
on one side only, with large margin, and carefully cut.

Supplies of above are now being booked for winter delivery.

**GRATIS, CARRIAGE PAID, PRINTED WITH**

**NAME AND ADDRESS,**

for chemists forwarding two slip labels and undertaking careful  
distribution. Population of district should be given, and in  
the case of the Almanack house to house distribution should  
be promised, as this Annual is the finest of its kind published  
and a credit to any Pharmacy.

**NOTE.**—No Advertising Matter is sent out unless asked for.  
Write at once, as applications are dealt with in rotation, and  
the edition is limited. Address Advertisement Department.

## 'LINSEED COMPOUND'

**46 Years' Proven Efficacy**  
**For COUGHS and COLDS.**

Sole Proprietors and Manufacturers—

**KAY BROTHERS, LTD., Stockport.**

# PAPIER POUDRÉ, LTD.

20 BAKER STREET, PORTMAN SQUARE,  
LONDON, W.

Trade Entrance in Blandford Mews.

Telephone: MAYFAIR 6578.

Telegrams: "POUDRE, BAKER, LONDON."

## PAPIER POUDRÉ AND POPPÆA PREPARATIONS.

TRADE

MARKS



"LEHCARESOR."

*Papier Poudre*

REFUSE ALL  
SUBSTITUTES

AND STOCK

BRITISH MADE  
GOODS

REGISTERED



PAPIER POUDRÉ, LTD.,  
20 Baker St., Portman Sq., London, W.  
and in Paris.

NOTE OUR TRADE MARKS, AS ABOVE.

### PAPIER POUDRÉ.

	Per doz., as heretofore.
6d. SIZE, 2 in. x 3 in., containing 90 leaves ... ..	3/9
1/- " 4 in. x 3 in., do. ... ..	7/6
NEAT 1/- MIRROR CASES, containing Pads of PAPIER POUDRÉ	7/6
REFILLS to these MIRROR CASES ... ..	2/-
4½d. SIZE, 2 in. x 3 in., containing 70 leaves... ..	2/6
3d. " 2 in. x 3 in., " 40 " (in limp covers) ... ..	2/-
SMALL SIZE, DOUBLED LEAVES, for purse or glove ... ..	1/3
6d. SHAVING PADS, containing 90 leaves ... ..	3/9
IN WHITE, ROSE, RACHEL, OR SUNBURN TINTS.	

To meet the demand  
for a cheap line we  
have brought out a

**1d. booklet**

at 8/6 per gross, in  
white, rose and rachel  
tints.

### "POPPÆA" (Regd.) PREPARATIONS.

"POPPÆA" ROUGE, 6d. and 1/- size, 4/- and 8/- per doz. Pads.

"POPPÆA" ROUGE, with Mirror, 12/- per doz.

"POPPÆA" MASSOLINE SKIN FOOD, in Jars, 7/6 and 24/- per doz. jars. Tubes 4 - per doz.

"POPPÆA" CIRCASSIAN CREAM, in Jars, 7/6 and 24/- per doz. jars. Tubes 4/- per doz.

"POPPÆA" CREME POUDRE, in Bottles, 7/6 and 24/- per doz.

**PAPIER POUDRE, Ltd., 20 Baker St., Portman Square, LONDON, W.**

# GATES' BOTTLE CAPPING SKINS.



**SNOW-WHITE OPAQUE BAUDRUCHE SKINS.**

ABSOLUTELY AS OPAQUE as Split Skins and equal in appearance

ALSO

**TRANSPARENT BAUDRUCHE and WHITE SPLIT SKINS.**

GOLD-BEATERS SKIN for Medical Purposes cut to any sizes; Ordinary and Waterproof.

"Mine beat all others."



*Only English Manufacturer—*

**LESLIE GATES, Lower Clapton, N.E.**

Telegraphic Address: "Englishism, Lowclap, London."  
Telephone: Dalston 1207.

## Gun Deafness prevented



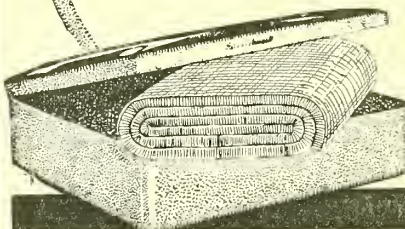
by the use of Harbutt's **FIBROUS PLASTICINE.**

Used by the War Office and Admiralty and by hundreds of our men in the firing line.

## Harbutt's FIBROUS PLASTICINE

Strongly advertised, and put up in attractive tin boxes to retail at 6d. and 1/-. This new line is worth your attention.

HARBUTT'S PLASTICINE, LTD.  
6 Bathampton Bath.



PLEASE WRITE FOR TERMS AND SAMPLES.

# TITTERTON'S CELEBRATED HAIR BRUSHES



**GOOD PROFITS**

are made by selling

**TITTERTON'S CELEBRATED BRUSHES**

(Hair, Tooth, Nail & Shaving Brushes).

They have a world-wide reputation for excellence of quality, and perfection of workmanship. Should be stocked by all Chemists desiring to give the public the best value for money.

Illustrated Catalogue on application.

**TITTERTON & HOWARD,**

Brush Manufacturers,

8 & 10 Great Titchfield St., London, W.

**OVER 100% PROFIT!**  
**ENSURED & PROTECTED (P.A.T.A.)**  
for sellers of

## Laurence's Hair Dyes

**One solution, nine shades.**

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	...	1/-	...
1/6	...	7/6	...
2/6	...	9/-	per doz.
3/6	...	15/-	less 5% discount
	...	21/-	

### SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

**C. R. HARKER, STAGG & MORGAN, LTD.**

**DEVON WHARF,**

Emmott Street, Mile End, London, E.

**LABORATORY  
OF GENERAL PHARMACOLOGY,  
8, Rue Vivienne, Paris.**

LONDON AGENTS:  
**WILCOX, JOZEAU & CO., 49, Haymarket, S.W.**



**CHAPOTEAUT'S  
CAPSULES of  
PHOSPHOGLYCERATE  
of LIME.**

**THE BEST TONIC FOR  
FORTIFYING AND BUILDING UP  
THE NERVOUS SYSTEM.**

*Sold by all Chemists,  
Wholesale: 8, Rue Vivienne,  
PARIS.*

**MORRHUOL CHAPOTEAUT**



**CAPSULES**

MORRHUOL DE CHAPOTEAUT  
is extracted from cod-liver oil, and  
contains all its efficacious prop-  
erties without the disagreeable taste.

*It cures Coughs, Bronchitis and Catarrh,  
restores the appetite, and gives force to  
feeble persons.*

**SOLD BY ALL DRUGGISTS.**

**CHANDRON'S  
DROPS**

**(Gouttes des Colonies)**

**A harmless antiseptic  
preventative against CHOLERA-  
FERMENTATION - INDIGESTION  
& other intestinal disturbances.**

**SOLD BY ALL CHEMISTS**



*I find the odor exquisite and  
am so charmed to have recalled  
by my name. Very sincerely,  
Miss. Brady*

**PARFUM  
MARY  
GARDEN  
RIGAUD**

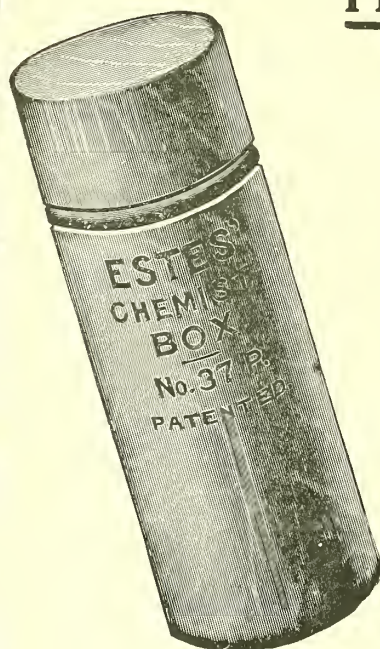
**PARFUMEUR  
16, RUE DE LA PAIX,  
PARIS.**

LONDON AGENTS:  
**HEPPELL & CO., 164, Piccadilly, W.**

# ESTES' DRUGGISTS' TURNED WOOD BOXES

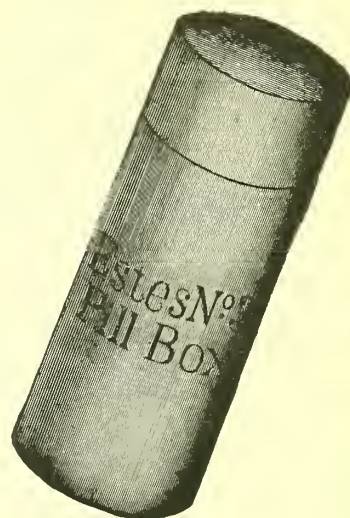
BEST & CHEAPEST IN THE WORLD

**MADE FROM AMERICAN WHITE BIRCH,  
FREE FROM KNOTS**



**PRICES FROM 1/- GROSS**

**STOCKS KEPT  
IN LONDON**



**LARGE OR  
SMALL  
QUANTITIES  
SUPPLIED**

**ANY SIZE OR SHAPE TO ORDER.  
SPECIAL LISTS ON APPLICATION.**

**SPECIAL  
TERMS  
TO LARGE  
BUYERS**

**SOLE AGENTS FOR THE UNITED KINGDOM:**

**MAY, ROBERTS & CO., LTD.**

**7, 9 and 11 Clerkenwell Road, LONDON, E.C.**

**AND AT 16 WESTMORELAND STREET, DUBLIN.**

# CARTONS FOR STOCK LINES



WE HAVE A LARGE VARIETY OF CARTONS IN STOCK, ONE OF WHICH WE ILLUSTRATE ABOVE. THE WORKMANSHIP IS GOOD THROUGHOUT, AND WE CAN RECOMMEND THEM TO ALL WHO WISH TO SEE THEIR GOODS WELL PACKED.

WE SHALL BE GLAD TO SEND SAMPLES OF ANY OF THE FOLLOWING CARTONS FOR

BLOOD MIXTURE  
CAMOMILE  
COUGH BALSAM  
EMBROCATION  
FRUIT SALINE  
HAIR RESTORER  
HYPO  
LEMONADE CRYSTALS  
NEURALGIA MIXTURE  
SENNA  
SEIDLITZ POWDERS  
SYRUP OF FIGS  
ETC. ETC. ETC.

ROBINSON & SONS, LTD.

BOX MAKERS TO THE  
CHEMIST TRADE  
CHESTERFIELD & LONDON.

(21)

# A. Boake Roberts & Co., Ltd.. STRATFORD, LONDON, E.

. . FOR . .

## SOLUBLE ESSENCES, ESSENTIAL OILS, OIL LEMON.

If you wish to make first-class  
Aerated Waters, use  
**BOAKE ROBERTS' ESSENCES.**

### Finest Soluble Essences :

Lemon,  
Orange,  
Ginger,  
Ginger Ale,  
Stone Ginger Beer (*Cloudy*),  
Clear Ginger Beer,  
Kola Champagne,  
Lime Juice and Soda,  
Lemon Squash,  
Raspberry,  
Strawberry,  
Pineapple,  
Vanilla, &c. &c.

**GOLDEN CARAMEL COLOURINGS, &c.**  
and all sundries.

# A. Boake Roberts & Co., Ltd..

# FORD, SHAPLAND & CO

## PRINTERS

We have specialised in  
Chemists' and Druggists' Printing for  
over 70 years. We have built up and maintained  
our reputation on quality and despatch. If you want

### QUALITY PRINTING

send us your enquiries and we will submit suggestions  
and quotations. A few of our specialities are Labels,  
Cartons, Envelopes, Fine Art Show Cards,  
Dental and Optical Circulars, etc.

Agents for  
Registration of Trade Marks.

GREAT TURNSTILE, HIGH HOLBORN  
LONDON  
TEL. 69, CITY. TELEGRAMS: FORSHAPCO  
WESTCENT, LONDON.

# DENTISTRY

## (Mechanical).

Expert Workmanship.  
Popular Prices.  
Prompt Service.  
Guaranteed Materials.  
Postal Advice and Aid.

"Dentistry for Chemists,"  
post free.  
"Everyday Dentistry," 3s. 6d.  
Complete Outfits for Stopping  
Teeth (with Instructions),  
£2 2s.

**Sole Agents for WARD'S LOCAL ANAESTHETIC.**

The SAFEST AND BEST.

Reduced Price, 1 oz. 1s. 6d. ; 4 oz. 5s.

# WARDALE & CO.

132 HIGH STREET NORTH, EAST HAM, E.

Tel. No.: East Ham 174.

Tel. Address: "Eladraw London."



## Mistakes cost more than "Nationals."

**M**ISTAKES and carelessness always were a source of loss for Chemists, but, with a carefully trained and experienced staff, these losses were much reduced.

Present conditions have, however, caused a great shortage of trained assistants, and made it necessary to engage less experienced help. Mistakes occur more often, which lose money and are a constant drain on your profits.

The changed conditions make a strong system for handling your takings **absolutely vital** in the interests of your business. Only a system that will **enforce accuracy** will ensure you all your money.

National Cash Registers are the best known means for enforcing carefulness and accuracy in handling money and accounts. They enable assistants to serve customers quickly and compel a correct record of **every** transaction. Over a million shopkeepers have bought our registers because they **prevent mistakes and save money.**

*Write TO-DAY for full particulars.*

**THE NATIONAL CASH REGISTER CO., LTD.**  
225 Tottenham Court Road, London, W.

Telephone:  
1680 MUSEUM (4 lines).

Telegrams:  
"NACARECO. TELEM,  
LONDON."

**COUPON**  
The National Cash Register Co., Ltd.,  
225 Tottenham Court Road, London, W.  
I should like particulars as to how "Nationals" prevent mistakes  
and ensure me all my profits. This inquiry commits me to  
no obligation.

Name .....

Address .....

"Chemist and  
Druggist."



# Eau de Cologne "RHEIMS" Brand

-/6	Bottles	....	....	per doz.	4/6
1/-	"	....	....	"	9/-
2/-	"	....	....	"	15/-

*Subject to usual 5% discount.*

A good lasting perfume selling freely as a patriotic line wherever it is shown.

Proprietors : **FRANCIS NEWBERY & SONS, Ltd.,**  
27 Charterhouse Square, London, E.C.

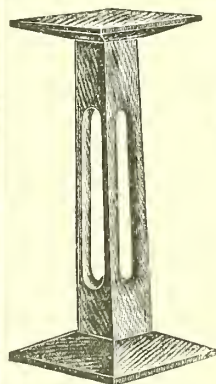
## WHOLESALE TRADE ONLY.

*Established 1900.*

**DR. B. W. GATHERGOOD'S EXOR.**

— Terrington St. John, WISBECH —

**For GREEN EXTRACTS and DRIED HERBS  
of BELLADONNA, HENBANE, &c.**



## Arresting displays,

forcible, yet artistic, may be quickly and economically arranged with the aid of Haskins' Oak Pedestals and Glass Shelves. You will be astonished at the variety of changes possible. Haskins' supply at moderate prices every fitting needed by the modern Chemist and Druggist.

Write to-day for  
our latest leaf-  
lets, containing  
full particulars.

**Saml. HASKINS & Bros., Ltd.**

SHOPFITTERS. ESTAB. 1784.  
20-34 OLD ST., LONDON, E.C.

## SITES for WORKS, FACTORIES, WAREHOUSES, etc.,

ADJOINING THE

## GREAT WESTERN RAILWAY.

Within the extensive districts served by the Great Western Railway Company's system of upwards of 3,000 miles of railway, there are in various localities considerable areas of available land admirably situated and otherwise suitable for the establishment of Works, Factories, etc., in connection with different kinds of Industrial undertakings. These sites are within easy access of some of the principal Ports, Coal and Ironstone Fields, and Iron and Steel producing centres.

Information regarding suitable sites, siding facilities, conveyance rates, etc., will be readily afforded on application to

**Mr. C. A. ROBERTS, Paddington Station, W.**

**FRANK POTTER, General Manager.**

## ZORAYA Ointment & Soap

A genuine preparation of great curative value for all Skin Complaints and kindred ailments, cuts, wounds, burns, &c. A unique remedy for Piles.

**33 1/3 % Profit.**

**CHARLESTON & CO., 8 & 9 Talbot Court, E.C.**

*Showcards and Window Display on Application.*

# Euthymol

## TOILET PRODUCTS

are seasonable always, but particularly so just now, because they provide useful, pleasing and economical Christmas presents.

Euthymol profits come easily, so pharmacists should include Euthymol Toilet Products in all Christmas window and counter displays.

### Euthymol "Gift" Sets

*(in daintily ribboned art-brown boxes)*

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*Thousands in use at the front.*

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exterminate all body vermin and prevent them lodging on the person or underclothing.

Retail 1/- each. 8/6 per doz. carriage paid.

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**BLUE LOTION BOTTLES.**— $\frac{1}{2}$  oz., 1 oz.,  $1\frac{1}{2}$  oz., 2 oz., 3 oz., 4 oz., 6 oz., 8 oz., 12 oz.

**PANEL BOTTLES.** We send six gross assortment or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

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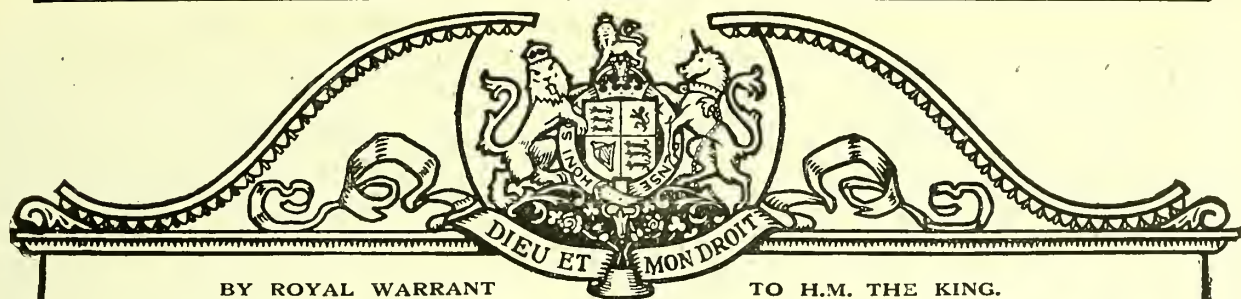
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Jockey Club  
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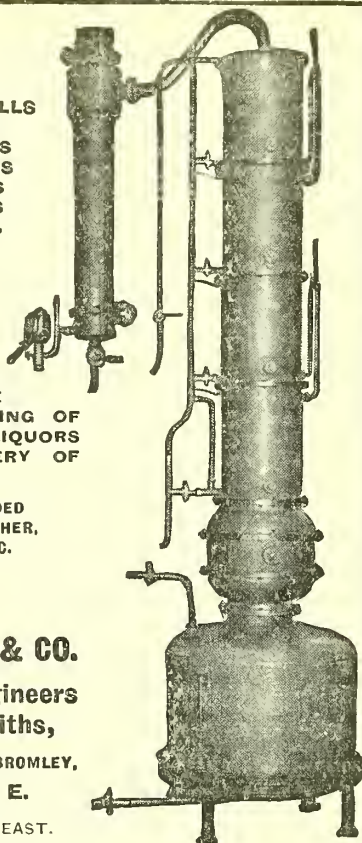
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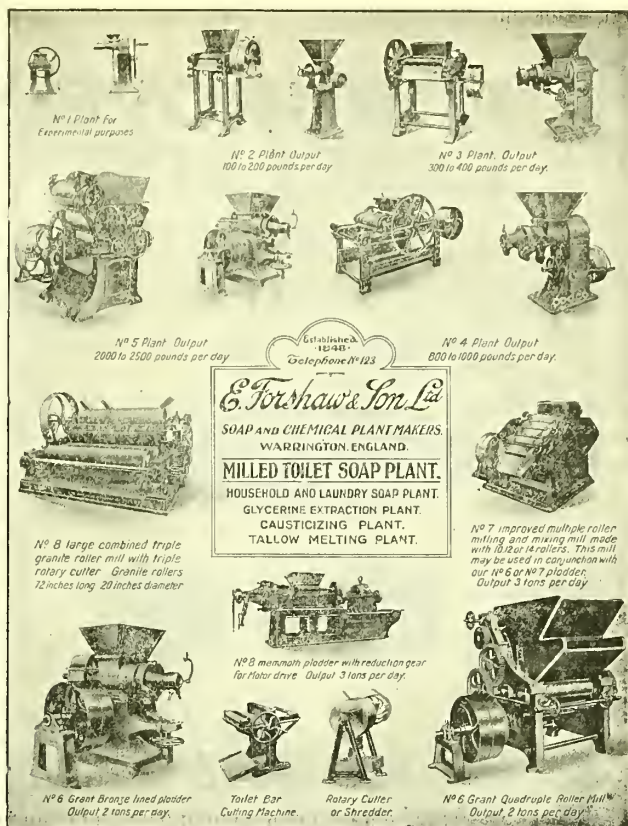
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rotary cutter. Granite rollers  
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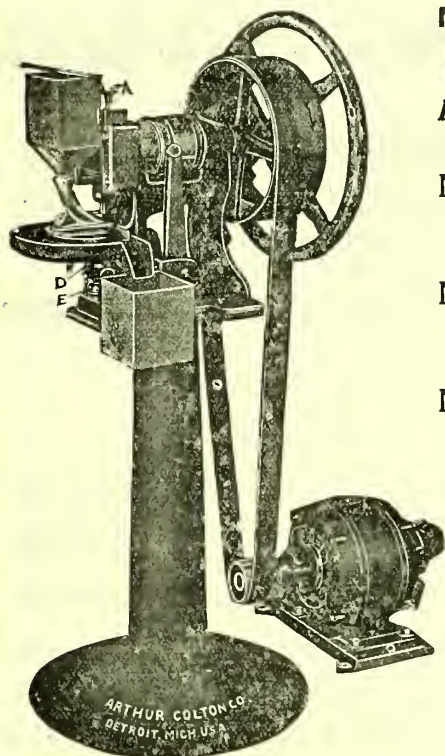
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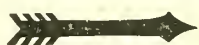
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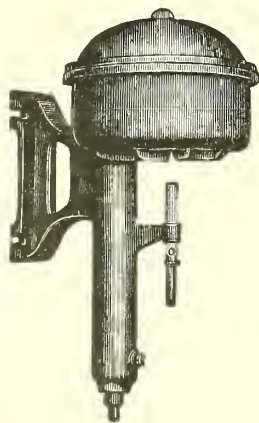
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**Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.**

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*Other news in the Coloured Supplement.*

This issue of the *C. & D.* indicates the advent of Christmas, greetings being inserted by business-houses, and the activities of local Chemists' Associations begin to slacken. Arising from the Board of Summary. Customs and Excise's communication on immature-spirit drawback (p. 62), we explain the whole matter fully on p. 51, and here we warn the trade that the future supply of spirit is most uncertain; see Trade Report (p. 59). The outstanding event of the week in regard to Insurance dispensing is that the Scottish chemists have won (p. 50 and p. 55). Our Correspondence pages are good and profitable reading (pp. 62-64).

## The "C. & D." Annual Subscription.

OWING to the changes in the newspaper postal rates, which came into force on Monday, November 1, the cost of delivering THE CHEMIST AND DRUGGIST has been much augmented, and it has become necessary to increase the annual subscription rate from 10s. to 12s. 6d. Changes of this nature are contemplated by the Post Office and Telegraph Act, 1915 (which creates the new rates), Section 2 (1) being as follows:

"Any contract for the supply or delivery to subscribers of newspapers, periodicals, or other publications at rates including postage, so far as the contract includes the supply or delivery of publications the rate of postage on which is increased after the passing of this Act, and before the first day of January, nineteen hundred and sixteen, may be determined by any party to the contract as from the date on which the rate is raised by notice given to the other party to the contract not later than fourteen days after the increase of rate takes effect."

Notwithstanding this provision, and that the postage on each issue will never be less than double the old rate, all that is proposed in the case of THE CHEMIST AND DRUGGIST is to charge the 12s. 6d. rate for all new subscriptions dating from December 1, 1915, and the same for new and renewal subscriptions dating from January 1, 1916, and thereafter. The increase of 2s. 6d. represents part only of the outlay incurred at this time, as it is not proposed to diminish the interest and utility of the *C. & D.*, but to maintain it as a weekly publication of unimpaired value. Subscribers who receive from the Publisher notice that their subscriptions expire at the end of December are particularly requested to renew promptly, as our subscription department is exceptionally pressed with work at this season, and war conditions are increasing the work greatly.

## European War.

A Year Ago To-day.

(War News in "*C. & D.*," December 19, 1914.)

We chronicled the bombardment by German cruisers of an unfortified town on the North-east Coast of England, Germany in this way adding another crime to her record of infractions of international law and usage. The Board of Trade issued a further warning regarding trading with the enemy. We dealt editorially with the need for manufacturing in the United Kingdom medicinal chemicals hitherto produced exclusively, or almost exclusively, in Germany. News from Germany included a virulent attack on the applicants for the suspension in this country of the patents and trade-marks for salvarsan. We also reported an application for the suspension of the neo-salvarsan patents and trade-mark.

## Pharmaceutical Roll of Honour.

*Non sibi sed patrie.*—CICERO.

SIXTY-FIFTH LIST.

- BODY, S. F., pharmacist, 167 High Street, Southend-on-Sea, Army Reserve B.  
CASTLE, ERNEST, Ph.C., dispenser, Long Grove Asylum, Epsom, Army Reserve.  
COWE, J. G., pharmacist, The Mall, Southchurch, Southend, Army Reserve B.  
CRANE, JOHN P., pharmacist, Chester, Group B Reserve.  
CRANG, WALTER, pharmacist, the Capstone Pharmacy, Hfracombe, R.A.M.C.  
DAVIES, A. LLOYD, chemist (lately with Palmer's Stores, Ltd., Hammersmith), Army Veterinary Corps.  
DUTCH, A. (with Boots, Ltd., Southend), Army Reserve B.  
FORSYKE, E. (with Boots, Ltd., Southend), Army Reserve B.  
FOSTER, A. G., pharmacist, Leigh Road West, Southend, Army Reserve B.  
GILMOUR, J. J. (assistant with Boots, Ltd., Southend), Army Reserve B.  
HAMILTON, B. G., Hamlet Court Road, Westcliff, Army Reserve B.  
HAMILTON, E. D., Hamlet Court Road, Westcliff, R.A.M.C.  
HANDS, S. I. (apprentice with Mr. H. H. Greenfield, pharmacist, Sheffield), Army Reserve.  
HOLDEN, J. H. (lately with Mr. J. B. Pater, pharmacist, Broomhill, Sheffield), 12th Batt. York and Lanes.  
JAMES, ALWCYX (lately apprentice with Mr. Evan H. James, pharmacist, Lampeter), R.A.M.C.  
JONES, E. WILLIAM (assistant with Mr. J. S. Breese, Ph.C., Rusholme, Manchester), Army Reserve.  
LEE, W., pharmacist (assistant with Boots, Ltd., Southend), Army Reserve B.  
LESTER, AUBREY V., pharmacist, Canterbury, Army Reserve.  
MARTLET, A., pharmacist, 65 Manor Park Road, Harlesden, N.W., R.A.M.C., Reserve B.  
MISSILLBROOK, W. M., pharmacist, The Strand, Southchurch, Southend, Army Reserve B.  
NOWELL, J. H., pharmacist, Broadway, Leigh-on-Sea, Army Reserve B.  
PIONCHON, ARTHUR, J.P. (assistant with Mr. A. Ashfield, Ph.C., Shanklin), Army Reserve B.  
QUINE, STANLEY (lately with Mr. J. B. Pater, pharmacist, Broomhill, Sheffield), Legion of Frontiersmen, East Africa.  
SPENCER, S. T., 40 Sutton Road, Southend, Army Reserve B.  
STOUT, CHARLES B., pharmacist, Lerwick, Zetland Isles, Army Reserve B.  
TURTLEBURY, W. H. (with Mr. S. F. Body, pharmacist, Southend), Army Reserve B.  
WARD, J. (assistant with Mr. Holloway, pharmacist, Southend), Army Reserve B.  
WILSON, G., pharmacist, Leigh Road East, Westcliff, Army Reserve B.

In Sheffield the following connected with local pharmacy, in addition to those already named, have attested under Lord Derby's scheme:

J. C. Bell, assistant dispenser, Royal Infirmary; H. Bown (pharmacist), 154 Cemetery Road; J. H. Davis (qualified assistant, Ireland), Woodthorpe; G. Dodworth (late assistant with Mr. Bown); H. H. Greenfield (pharmacist), Ecclesall Road; V. Henson (with Mr. J. T. Appleton, Walkley); John A. Johnson (pharmacist), 54 Barber Road; A. Layman (assistant with Mr. H. H. Greenfield); L. Leadbeater (with Mr. T. B. Pater, Broomhill); P. Revill (pharmacist), with Thompson & Capper, Ltd.  
With Boots, Ltd.—G. S. Beech, G. C. Bell, H. S. Bellamy (pharmacist), G. Bostock, A. Clarkson, G. F. H. Coates (pharmacist), E. Coggan, H. Cox, E. G. Douthwaite (pharmacist), A. H. Ecob (pharmacist), T. A. England (pharmacist), C. H. Fail, W. Fisher, F. Giles (pharmacist), T. B. Hardcastle, E. Higginbotham, A. Higgins, C. E. W. Hopkins, W. A. Hopwood (pharmacist), E. Hoxes, J. Ingerson, W. C. Jarvis, G. B. Meakin, H. Osertherpe, P. Parramore, A. Rudkin, T. Sammons, F. Sanders, J. H. Sharpe, H. Snidall (pharmacist), F. W. Turner, A. A. Watts (pharmacist), J. B. Whithy (pharmacist), W. A. Wilson, S. E. Wood.  
With Eardley & Furnival.—B. J. Cooper, W. Hulme, and C. Waines.

**SOUTHEAST-ON-SEA.**—Of twenty-three chemists and their assistants who presented themselves under Lord Derby's recruiting scheme last week fourteen were passed and nine rejected. The names of the former are in the list on p. 39, and the latter are as follows: Messrs. A. Baker (Leigh-on-Sea), G. H. Boul (Boots, Ltd.), G. Bruce (Boots, Ltd., Westcliff-on-Sea), G. H. Dawson, H. Gardiner (Boots, Ltd.), J. T. Heywood, F. H. King (Westcliff), G. Morrell (with Mr. E. A. Holloway), and W. Symons (with Mr. S. F. Body, Westcliff).

#### Export Notice.

**GERMANY.**—According to a decree of the Imperial Chancellor, dated October 30, the exportation of vanilla and saffron from Germany is allowed in cases where it is confirmed by the Chambers of Commerce that the consignee was a customer of the consignor before the outbreak of war; the quantity must not exceed that bought by the customer in normal circumstances.

#### Personalia.

**SECOND-LIEUTENANT HILDRETH GLYN-JONES**, of the Middlesex Regiment, has now passed the worst stage of the severe attack of dysentery which he contracted while on service in the Dardanelles. It may be some months before he is able to leave the hospital in Malta.

**MR. R. H. MARCHANT**, who was for six years with Mr. S. H. Fordham, chemist and druggist, Oxted, Surrey, has been gazetted second-lieutenant in the 9th Battalion East Surrey Regiment. At the outbreak of the war Mr. Marchant joined the R.A.M.C., and as a sergeant-dispenser went to France in July.

#### The Sale of Optical Instruments.

An Order has recently been made by the Minister of Munitions by which the buying or selling of certain kinds of optical instruments, or dealing in them in any way, is prohibited without an official permit. The Order effects this by declaring these instruments to be "war material" under Regulation 30A of the Defence of the Realm Act, of which the following is an extract:

No person shall without a permit issued under the authority of the Admiralty or Army Council or the Minister of Munitions either on his own behalf or on behalf of any other person—

- (a) buy, sell, or deal in; or
- (b) offer or invite an offer, or propose to buy, sell, or deal in;
- OR
- (c) enter into negotiations for the sale or purchase of or offer dealing in

any war material to which this regulation may for the time being be applied by Order of the Admiralty or Army Council or the Minister of Munitions, whether or not the sale, purchase, or dealing is or is to be effected in the United Kingdom.

The list of instruments contained in the new Order includes the following:

*Prismatic Binoculars and Monoculars* having a magnifying power of five times or more.

*Galilean Binoculars* having object-glasses with a full diameter of one and three-quarter inches or more and a magnifying power of three and a half to five times.

*Terrestrial Telescopes*, portable, with an object-glass of one and a quarter inches full diameter or more and a magnifying power of eleven times or more.

*Telescopic* or other optical sights for rifles.

*Periscopes and Hyposcopes*, using optical means other than or in addition to plane mirrors.

*Compasses*, prismatic and the like, of an outer diameter of two and a half inches or less, by means of which an azimuth angle can be read off simultaneously with the sighting of an object.

All dealing with instruments coming within the scope of the new Order is illegal in the absence of a permit, and it is announced that the Order will be strictly enforced. Applications for the necessary permit should be addressed to Director-General of Munitions Supply, Branch C.M.6, Armament Buildings, Whitehall Place, London, S.W.

#### Miscellaneous.

**CHEMISTS' ASSISTANTS' AMBULANCE SCHEME.**—Mr. James Aspinall, Tunbridge Wells, informs us that the net amount received on account of this scheme was 84*l.* 12*s.* 2*d.* This has been handed to the British Red Cross Association, and it is intended to have a plate affixed to an ambulance motor-car recording the fact that the body of the car was presented by chemists' assistants.

**THE NEWCASTLE CHEMISTS' V.A.D.** have been doing some excellent work recently. They have been called upon to transfer wounded men to other trains, and during a recent week-end worked till 4 A.M. on Monday carrying wounded (direct from the Front) from the train to ambulances, accompanying them and placing them on their beds in the infirmary. The chemists performed their work with a professional alacrity and knowledge worthy of their calling, and were complimented.

**HYPOCHLORITES ON HOSPITAL SHIPS.**—The "British Medical Journal" (II., 1915, 871) states that trials have been made recently with electrolysed sea-water containing hypochlorites for the disinfection of hospital ships carrying infectious

cases. The disinfectant was chiefly used for application to the walls and floors of the wards. The tests, which were made under the auspices of the Medical Research Committee, seem to have been highly satisfactory is the remark made by the "British Medical Journal."

**PATENTS IN "ENEMY COUNTRY."**—The Board of Trade has made a new Order governing the grant and renewal of patents. It permits persons living and carrying on business in the United Kingdom to pay any fees "for obtaining the grant of or for obtaining the renewal of patents, or for obtaining the registration of designs or trade-marks or the renewal of such registration in an 'enemy country,' and to pay to enemy agents their charges and expenses." Similarly it is made permissible to pay on behalf of an "enemy" fees due in converse circumstances.

**ROTTERDAM TRADE.**—Reviewing the trade of the Netherlands for 1914 the British Consul-General predicts that at the end of the war a great era of prosperity will set in, not only for Dutch merchants and ports, but also for British trade with Holland. It would seem clear, he remarks, that at all events for some years after the cessation of hostilities Rotterdam will be the great port of entry for the Continent. For reasons which it is unnecessary to enlarge upon both Antwerp and Hamburg will certainly not, for many years to come, attain their previous prosperity.

**IMPORTATION OF GOODS OF ENEMY ORIGIN.**—The Board of Trade warn importers that goods which originated in an enemy country, even though they may have left enemy territory and become neutral property before the war, are liable to seizure under the Customs (War Powers) Act, 1915, if imported without the Board's permission. Such permission is, as a rule, granted only upon production of incontrovertible evidence that the identical goods which it is desired to import left enemy territory before the war. The evidence should be produced and the Board's authority obtained before any steps are taken to have the goods shipped to this country.

## Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

**MR. F. BASCOMBE**, Ph.C., F.I.C., director of Fletcher, Fletcher & Co., Ltd., and a member of the Lambeth Borough Council, has been appointed Chairman of the Lighting Committee.

**PROFESSOR G. SIMS WOODHEAD**, M.D., Cambridge, has been reappointed by the Metropolitan Asylums Board as consultative bacteriological adviser at a salary of 105*l.* per annum.

**STANLEY THOMAS**, son of Mr. David Thomas, chemist and druggist, late of Talgarth, now of Ystradgynlais, has distinguished himself at Cambridge University, where he is studying medicine at Queen's College.

**MR. JOHN READ**, M.A., Ph.D., lecturer and demonstrator in chemistry at Cambridge, has been elected to the Chair of Organic Chemistry in the University of Sydney, in succession to Professor R. Robinson, appointed to the Chair of Organic Chemistry at Liverpool.

**MR. J. W. DEAKIN**, J.P., chemist, has been re-elected President of the Northwich Traders' Association. Speaking at last week's meeting of the Association in regard to dinner-hour closing of shops, he said if a vote were taken he did not believe any of the chemists in the town (who are now doing it) would go back to the old system.

**MR. R. F. ROPER** is Chairman of the Plymouth Pharmaceutical Committee, not President of the local Chemists' Association, as stated last week. The latter office is held by Mr. F. J. Barge, who has been unable to take a prominent part in local affairs lately owing to an eye-trouble; but he is now much better, and will soon take up his position again.

**MR. PERCY J. ASHFIELD**, chemist and druggist, Rhyl, gets high praise in the local newspaper for his management of the production of "Eliza Comes to Stay" by the Rhyl Dramatic Society. In addition to his management of the production Mr. Ashfield played the part of the chief male character—the Hon. Sandy Verall—his interpretation being very fine, and the part suited him well.

**JACK EDWARDS**, elder son of Mr. R. G. Edwards, pharmaceutical chemist, Fallowfield, Manchester, has this week been awarded an open Classical scholarship of the value of 80*l.* per annum for three years at University College, Oxford. He is at present a pupil at the Manchester Grammar School, of which he is a Foundation and Langworthy (Classical) scholar. He is also a prefect of the Grammar School.

## English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

### Christmas Holidays.

THE CHEMIST AND DRUGGIST will close for press next week on Thursday morning, December 23. Correspondents and contributors should note this, as we cannot guarantee insertion of "copy" received after Wednesday evening. The Coloured Supplement of the issue will close for press at 2 P.M. on Thursday. The *C. & D.* office, 42 Cannon Street, E.C., will be closed from 12.45 P.M. on Friday, December 24, until the following Tuesday morning.

The following London houses will close on Saturday, December 25, and re-open on Tuesday, December 28:

STAFFORD ALLEN & SONS, LTD., Cowper Street, Finsbury, E.C. (also on December 31 and January 1 for stocktaking).

BAISS BROS. & STEVENSON, LTD., 174, 175, and 176 Grange Road, Bermondsey, S.E. (also for stocktaking on December 30, 31, and January 1).

JOHN BELL, HILLS & LUCAS, LTD., Oxford Works, Tower Bridge Road, S.E. (also for stocktaking on December 30 and 31).

ARTHUR BERTON, LTD., 15-17 Worship Street, E.C. (also for stocktaking on December 31).

BURROUGHS WELLCOME & Co., Snow Hill Buildings, E.C. T. CHRISTY & Co., 4, 10, and 12 Old Swan Lane, E.C. (also stocktaking on December 31, 1915, and January 1, 1916).

EVANS SONS LESCHER & WEBB, LTD., 60 Bartholomew Close, E.C. (also for stocktaking on December 29, 30, and 31).

FAIRCHILD BROTHERS & FOSTER, Albert Chambers, Holborn Viaduct, E.C.

T. MORSON & SON, 14 Elm Street, Gray's Inn Road, W.C. (also for stocktaking on December 28, 29, 31).

F. NEWBURY & SONS, LTD., Charterhouse Square, E.C. (also for stocktaking on December 30 and 31).

PARKE, DAVIS & Co., 50 Beak Street, Regent Street, W. R. J. REUTER, 69 Carter Lane, E.C. (also for stocktaking on December 30 and 31).

SANGERS, 258 Euston Road, N.W. "SANITAS" Co., LTD., Locksley Street, Limehouse, E. (also for stocktaking on December 31).

T. & H. SMITH, LTD., 22 City Road, E.C. SPARKS, WHITE & Co., LTD., Albion Mills, Tenter Street East, Aldgate.

W. TOOGOOD, LTD., 77 Southwark Street, S.E. (also for stocktaking December 29 and 30).

T. TYRER & Co., LTD., Stratford. WRIGHT, LAYMAN & UNNEY, LTD., Southwark (also for stocktaking on December 29, 30, and 31).

The following other arrangements should also be noted:

ALLEN & HANBURY'S, LTD., Bethnal Green premises will be closed on December 25, 27, and 28. During this period small urgent orders can be executed from their wholesale depots at Plough Court, Lombard Street, E.C., and Vere Street West.

ARTHUR H. COX & Co., LTD., Brighton (also closed for stocktaking on December 29, 30, and 31).

### New Retail Prices.

The West Bromwich Pharmaceutical Association suggest the following as minimum prices from December 14: Bromides of ammonium, potassium, and sodium, 1s. 9d. per oz.; colza oil, 8d. pint; methyl salicylate, 1s. 6d. oz.; tartaric acid, powder or crystal, 1 oz. 3d., 4 oz. 11d., 3s. 6d. lb.; malt extract, in glass jars, 1s. lb., 2 lb. 1s. 10d., 4 lb. 3s. 6d., 7 lb. 5s. 6d.; malt and oil, in glass jars, 1s. 1d. lb., 2 lb. 2s., 4 lb. 3s. 10d., 7 lb. 6s.; methylated spirit, 10d. pint; oil of sassafras, 1d. dr., 6d. oz.; spare flat feeding-bottles, 4d. each, ordinary 3½d. each; Bile Beans, Peps, and Zambuk, 1s. 2½d., 2s. 6d.; Ven Yusa, 1s.; Cuticura Soap, 10d.; Ointment, 2s. 4d.; Dickey's Bateman's Drops, 1s. 1½d.; Doans' Pills, 2s. 5d.; Eno's Fruit Salt, 1s. 10d.; Gibbs' Cold-cream Soap, 5d. per tablet, box of three 1s. 3d.; Holloway's Pills and Ointment, 1s. 1½d., 2s. 6d., 4s., 10s.; Kolynos, 1s. 1d.; Seigel's Syrup, 1s. 2d., 2s. 3d.; Williams' Pink Pills, 2s. 3d.; Winslow's Syrup 1s.

### Cadbury's National Thrift Campaign.

The thrift campaign instituted at the Bournville works in June last for the benefit of the employes has exceeded all expectations. Cadbury Bros., Ltd., offered a bonus of 5 per cent. on sums invested by their employes in Government or other approved trustee securities up to 100%, and 2½ per cent. on amounts over 100%, and up to 200%. The total amount which has been invested under the scheme is 32,406l., and the bonus paid by the company 1,329l. In addition to the investments 8,690l. was deposited in the works savings-fund between June and the end of November by 3,720 depositors. This amount is more than double that deposited in the same period of any previous year since the commencement of the fund in 1897, the largest previous amount being 2,988l. in 1913. Interest at the rate of 5 per cent. is now allowed on amounts left in during the year, and of 4 per cent. on amounts withdrawn during the year.

The result of the offer and the special campaign during the five months are that the employes have invested and saved over 40,000l.

### Institute of Chemistry.

Part IV. of the "Proceedings" for 1915 of the Institute of Chemistry deals with the Council-meetings held since July and examination matters. Reference is made to the assistance which professional chemists are rendering in the prosecution of the war. Over five hundred chemists or students are connected with the work of the Ministry of Munitions. Further interesting details are given of the research on glass-manufacture, and the following additional formulæ:

No. 13.	No. 14.
Sand ... .. 45.35 parts	Sand ... .. 54.5 parts
Potash felspar ... 32.50 parts	Potash felspar ... 20 parts
Sodium carbonate 29.10 parts	Potassium carbonate 7.2 parts
Calcium carbonate 11.20 parts	Sodium carbonate 25.0 parts
	Calcium carbonate 12.5 parts

This formula was tried on the laboratory scale independently by two workers. It gives a glass fining easily, and quite free from seeds. It is a better working glass than No. 1, and should be much cheaper.

The amount of felspar present is sufficient to give four parts of alumina (Al<sub>2</sub>O<sub>3</sub>). The rest of the ingredients are adjusted to give the same composition as No. 11, the adjustment being based on analysis of the felspar used.

The object of these formulæ is to avoid the use of alumina, the cost of which has considerably advanced. (Previous formulæ were given in the *C. & D.*, April 24, p. 91.) At least three manufacturing firms are now taking steps to produce supplies of all ordinary kinds of chemical-laboratory ware in large quantity.

### The Late Professor Meldola.

A striking tribute to the memory of Professor Raphael Meldola was given at a meeting of the Society of Macchemists, which took place at the Wharfedale Rooms, Hôtel Great Central, London, W., on December 15. The Lord Chief Justice (Lord Reading) presided, and the other speakers were Professor E. B. Poulton, Sir William A. Tilden, Professor A. G. Green, and Professor Silvanus P. Thompson. There was a large attendance. Lord Reading, in opening the proceedings, paid a glowing tribute to Professor Meldola, and referred especially to the work he had done for the Government since the outbreak of war. His Lordship added that since the war the nation had learnt to appreciate the work of scientists, which they recognised as none the less valuable although it was not on the battlefield. Professor Poulton, the next speaker, referred to the extraordinarily broad grasp of science which Professor Meldola possessed. He was an authority in natural history, chemistry, photography, astronomy, and anthropology. He recalled Professor Meldola's connection with the British Association, the Institute of Chemistry, and the Essex Field Club, and his long friendship with Charles Darwin. Twice the French Government desired to confer on him the Legion of Honour, but the British Government would not grant permission for the acceptance of the honour. This, said Professor Poulton, is a characteristic example of the contempt for science in high places. Sir William Tilden, who followed, referred to his early acquaintance with Professor Meldola, and recalled that they were both engaged in the research laboratory of an eccentric scientist, a Dr. Stanner. Professor Meldola did not receive a regular University education, but went straight from school to the Royal College of Science. He contended that genius, in spite of all abstractions, will always find its way to the front. Mentioning Professor Meldola's connection with the Chemical Society, Sir William was careful to tell the audience that chemistry is not pharmacy; "it has no connection with the rolling of pills or the dispensing of drugs." Some people, he added, might be misled by the advertisements of a firm who style themselves "the greatest chemists in the country." Professor A. G. Green, who followed, dealt with Professor Meldola's research-work in organic chemistry and his practical work in the manufacture of aniline dyes. Many details of Professor Meldola's work were given, and it was mentioned that much of his research-work was recorded in a vellum book at Brooke, Simpson & Spiller's Atlas Works, which had been lost. Professor Silvanus P. Thompson, the last speaker, dealt with Professor Meldola's work at the Finsbury Technical College.

### Contracts.

The following new contracts or considerations arising from existing contracts have been notified:

Cranbrook Guardians have accepted the tender of Mr. A. J. Grey, chemist and druggist, Hawkhurst, for medical appliances.

**Lambeth Guardians.**—George Mason & Co., Ltd., have given notice that their prices for beef-tea, double strength, have been increased—quart tins from 17s. 6d. to 18s. per dozen, and half-pints from 4s. 6d. to 6s. The medical superintendent at the infirmary has been instructed to inquire and report as to the possibility of using a less expensive preparation.

**Malling Rural Council** have accepted the tender of Mr. H. C. H. Oliver, chemist and druggist, West Malling, for disinfectants, at 177l. 4s. 6d.

**Southwark Guardians.**—The infirmary has for many years been supplied with medicines by The British Drug Houses, Ltd., or its predecessors (Hill & Son and Davy, Hill & Son) at contract rates. The infirmary was taken over by the War Council three months ago, and it is now the Southwark Military Hospital. An unusual situation has arisen in regard to The British Drug Houses' contract with the Guardians to supply medicines to the infirmary, orders having been sent to the company on November 22 on the Southwark Infirmary's forms. Before executing these the company wrote to the Guardians stating that they did not see their way clear to supply the quantities required for the Military Hospital at the contract rates made for supplies to the Board of Guardians, since the quantities of certain drugs (such as phenazonum, acid, acetylsalicylic, pot. bromid., sodii salicylas, and other chemicals directly affected by the war), which were set aside when their tender was accepted, do not permit of meeting these extra and larger demands for the Military Hospital. This explanation having been acknowledged, the company again wrote disputing the Clerk's contention "that the fact of the infirmary being used now as a military hospital has no effect at all on the contract," and appending a list of articles covered by the contract which have changed in values since the tender was accepted, and which The British Drug Houses have nevertheless supplied until new principals have occupied the infirmary. This list was submitted to illustrate the magnitude of the alterations in prices which have occurred since the date of the tender:

Item No.	Contract Rate	B.D.H. Price List	
		1915, February	1915, December
	s. d.	s. d.	s. d.
1 ...	33 0	45 0	62 0
7 ...	9 0	9 6 lb.	4 6 oz.
12 ...	3 6	4 6	21 0
17 ...	11 6 lb.	17/- 19/-	1 11 oz.
18 ...	6 9	8 6	18 0
39 ...	0 6	0 10½	1 6
43 ...	4 0	4 9	7 0
54 ...	17 6	23 0	25 6
55 ...	3 0	4 3	6 8
67 ...	8 6	12 0	26 0 1 kegs
70 ...	4 9	6 6	17 0
77 ...	7 6	9 0	20 0
78 ...	0 8	1 2	6 2
79 ...	7 6 lb.	9 6 lb.	4 9 oz.
84 ...	0 7	0 9	2 3
85 ...	3 3	4 3	19 0
87 ...	2 6	3 10	6 3
88 ...	13 3	15 9	18 0
91 ...	1 2½	1 9	4 10 4-oz. bots.
96 ...	9 0	9 6	20 0
108 ...	8 3 lb.	10 0 lb.	5 0 oz.
140 ...	0 7	1 0	1 3

The whole matter has been referred to the Contracts Committee for consideration and report.

**Yarmouth Town Council.**—W. S. Poll & Son, chemists and druggists, Regent Road, Yarmouth, appointed chemists to the Corporation for 1916.

#### Birmingham.

Serious complaints are being made at the congestion of goods at the railway depots at Walsall, and pharmacists, among other traders, are sufferers.

An action against Bodie, the electricity entertainer, was started in Birmingham some days ago, but was adjourned because of the absence of the defendant, who, it was stated, is on tour in South Africa.

There is a great demand for lady dispensers at the moment, and several lady doctors are doing double *locum tenens* work while their male *confères* are on service in military hospitals at home and abroad.

The editor of "Southall" must indeed be a happy man—first at the completion of his laborious task, and last, but not least, the high praise which has been already accorded his efforts in the production of the eighth edition of this time-honoured work.

The Public Health and Housing Committee, which in Birmingham has the regulation of shop-hours, has decided that shops may be kept open on the two half-holidays preceding Christmas Day, or one immediately preceding and one immediately following Christmas Day.

Miss Grace Slinn, daughter of Mr. Slinn, who was formerly in business as a pharmacist in Nuneaton for many years, but who recently established himself and a good business at Rhyl, has passed the Apothecaries' Assistants' examination, and has succeeded Miss Buckler as a dispenser at Nuneaton.

The London B.Sc. list of passes was issued recently, and it is gratifying to know that Mr. Ernest Paul, who holds an appointment in the analytical department of Southall Bros. & Barclay, Ltd., Bull Street, Birmingham, has secured the degree with first-class honours. He is the son of the late Ernest Paul, who for many years occupied first position in several departments of the house.

James Gummery Baker (31), chemist's assistant, was indicted at the Birmingham Assizes, before Mr. Justice Shearman, on separate counts for supplying and administering certain poisons to Elizabeth Patterson for an unlawful purpose. The prisoner was defended by counsel. He was found guilty, and after hearing the evidence as to the excellent character the prisoner had borne previously, his Lordship deferred sentence until the following day, when Baker was sent to prison for six months.

#### Liverpool and District.

Mr. William Kirkby, M.Sc., Manchester, has written to express his appreciation of the honour done to him by the reprinting of his address to the Liverpool C.A.

On December 7 a runaway horse dashed into the pharmacy of Mr. D. R. Rowlands, 108 Chester Street, Birkenhead, shattering the plate-glass window and doing considerable damage to the contents.

Sixteen pharmacists gave notice to come off the Liverpool panel at the end of this year. In reply to reproaches for not remaining in the ranks and fighting the cause with the rest, they say, "Our retirement is a protest against the inadequate fees offered for dispensing; therefore our action strengthens your position."

The drills of the Liverpool Pharmacists' Training Corps have been held at the Royal Institution from 9.30 to 11 p.m. As the extra charge for the late hour (10 p.m. being the normal time of closure) is found to be a heavy burden on the available funds, the offer of a new drill centre would be timely. Perhaps one of the Territorial barracks may be available.

A suggestion has been made that the following arrangement should be locally adopted for the purposes of the Shops Act for the Christmas holidays: Wednesday, December 22, open; Christmas Day, December 25, closed; Boxing Day (Monday, December 27), closed; Wednesday, December 29, open. It is felt that owing to New Year's Day falling on Saturday it would be advisable to keep open on that date.

Mr. Harry Hazel (Hazel & Robson, Ltd., Rumbold Street) is believed to be the oldest churchwarden in point of service in Liverpool, and deserves to have his name on a roll of honour. He has given thirty-eight years to the office at the church of St. James-the-Less, Stanley Road. Then his two sons have joined the Forces—James serving with the R.N.R. in the North Sea, and Gordon with the Denbighshire Hussars.

A modified form of Christmas decoration characterises the windows of the central pharmacists accustomed to observe the season by the display of presents. Boots offer "dainty presents" in great variety, handbags being a central feature of Church Street windows decorated with pale pink ribbon. R. & J. Herman, both in Parker Street and Water Street, present an effective show of French amber eau de Cologne, together with Atkinson's and Piver's perfumes, as well as their own Irish violets and rambler-scented scents. Thompson & Capper at their Lord Street branch offer elegant cabinets of Atkinson's perfumery, the lids inlaid with Japanese work. In another window are waterproof toilet hold-alls for the Army and Navy, together with rubber hot-water bags and other comforts, largely designed as gifts for the Forces. John Bain, Lime Street, displays Grossmith's perfumes, notably Phul-Nana, along with three Vinolia tablets and a small bottle of scent for a shilling. Manieure-sets and folding pocket-mirrors occupy a second window. George Inman, Dale Street, has his windows latticed with tricolour ribbon, and shows perfumery coupled with presents for soldiers and sailors. John H. Robinson has made his window gay with yellow rosebuds and cut-glass bottles of all sizes containing his own special perfumes. "Just a scrap of paper to say that our prices will please you," is the legend on a showcard.

**Manchester.**

Mr. J. Cleworth, pharmacist-photographer, Ducie Street, Manchester, gave a lantern-lecture at the Ducie Avenue Military Hospital, Manchester, on December 10, before about 150 wounded soldiers and the staff of the hospital. The slides shown on the screen included photographs of the 7th Manchesters and various scenes in the Ducie Avenue Hospital and the Worsley Hall Red Cross Hospital. Altogether sixty-nine slides were shown; the lecture lasted over an hour. Colonel Challoner, at the conclusion of the lecture, paid a high tribute to Mr. Cleworth for the splendid series of slides which he had shown, and a vote of thanks was carried with tremendous applause.

**Sheffield.**

Mr. G. W. McIntosh, of Watson & Co., chemists, High Street, who joined the 3/4th Queen's Own Cameron Highlanders, and is stationed at Ripon, is asking through the local Press for men to join his regiment.

In the industrial parts and the centre of the city a great amount of trade has been done in sundries suitable for sending away to soldier friends, but most chemists complain of the falling-off in the evening business through the restricted lighting regulations.

Several chemists who were desirous of obtaining information before signing attestation forms at the recruiting stations in regard to the position of chemists have received answers more forcible than polite. In every case the recruiting officer was quite ignorant of any claim to exemption of chemists.

**Miscellaneous.**

NOTTINGHAM PHARMACISTS are feeling the shortage of assistants, and ladies are appearing behind counters at which they had not previously been seen.

GENERAL MEDICAL COUNCIL.—On and after December 18 the General Medical Council office will be at 44 Hallam Street, Portland Place, London, W., instead of 299 Oxford Street, W. The telephone number is 645 Mayfair, and the telegraphic address "Genmedicum Eusroad London."

DRUG VICTIM.—At an inquest at Southampton on a motor driver named Bowen, who was found drowned, it was stated that deceased used to spend from 15s. to 17. a week on morphine and cocaine, and that he was in debt for about 27. for drugs. His home address was West Hampstead.

MASONIC.—Wor. Bro. F. Bascombe, L.R., was installed as Wor. Master at the meeting of the Lambeth Borough Council Lodge when there was a large gathering of Grand Officers and members present. Bro. Bascombe is Secretary of the Galen Lodge and London Dorset Lodge, and also Treasurer of the Great Northern Lodge.

KINGSTON-ON-THAMES GUARDIANS have arranged that Miss Louch, senior dispenser at the infirmary, should do all the dispensing (the junior dispenser having resigned), and that she be paid at the rate of 1007. per annum, without ratings, for three months in the first instance, and if the arrangement proves satisfactory that her salary be increased to 1107. per annum.

MILLER'S MITCHAM FIRE.—J. & G. Miller, Mitcham, inform us that the fire at their distillery on Tuesday, December 7, damaged four stills badly. The building is entirely destroyed, and the damage is nearer 2,0007. than 1,0007. Fortunately, none of Messrs. Miller's stock of essential oils was damaged, as the oils were stored elsewhere and are safe.

WINE-LICENCE.—Bury Magistrates on December 8 refused to transfer a wine-licence at a shop in Water Street from Mr. T. Vickerman to Mr. T. J. B. Todd (assistant secretary of Taylors' Drug Co., Ltd.), whose residence is at Leeds. The Justices said they were willing to transfer the licence to the resident manager in Bury, and allowed Mr. Todd to sell until the next sessions.

NITRO-TOLUOL STILL EXPLOSION.—The preliminary report of the Board of Trade on the explosion of a nitro-toluol still at Milnsbridge, Huddersfield, on July 19, shows that the accident was caused by the corrosion of the steel coil of the still. A relief-valve has been fitted to the still, and periodical hydraulic tests of the coils are to be made in future with a view to preventing a repetition of such explosions.

BENEVOLENT FUND.—The election of thirteen annuitants on the Benevolent Fund of the Pharmaceutical Society took place on December 14 at 17 Bloomsbury Square, London, W.C. It was a formal election, as no voting-papers were issued. The candidates elected were: Herbert E. Constance, Sarah A. Deane, James Ellard, Albert William Garnham, Edward H. Hasselby, John L. Huskinson, Robert A. Johnson, Hugh Lloyd Jones, William W. Lindley, Betsy S. Reid, Thomas E. Ridgway, James Thorniley, and Mary A. Thurston.

POISONINGS.—The deaths from poison which have been reported since our last issue concern the use of laudanum and ammonia. The laudanum deaths were both due to an overdose, the victims, Mary Ann Staniland (Sheffield) and Joseph Wilson (Huthwaite), having been accustomed to take laudanum. Ammonia was the poison taken by a girl clerk who had become depressed from overstudy. A case is also reported from Chesterfield, where a little child drank some corn-cure which was in a cupboard, the kind of poison not being stated definitely at the inquest.

WEST HAM AND EASTERN GENERAL HOSPITAL.—At the outbreak of war the Committee and staff of this hospital, which does exceedingly good work in one of the largest and poorest districts near London, seized the opportunity of temporarily extending the accommodation by about thirty beds, so as to be able to take fifty wounded soldiers at a time. Everyone worked night and day and Sundays to get this temporary accommodation ready, and it was just finished by the time the first draft of wounded soldiers was sent along; and that is how they have managed so as not to interfere with the rights of the civilian population. Mr. Thos. Alex. Cook, managing director of Edward Cook & Co., Ltd., Bow, E., is one of the most active workers connected with this institution, and we note, in regard to the provision for soldiers, that a recently issued appeal contains excellent views of soldiers' wards, a large hall adjacent to the hospital, lent by the Council of the Conference Hall, being one of them.

EARLY CLOSING.—The following High Wycombe chemists are on and after January 1, 1916, to close their shops at 7.30 P.M. on Monday, Tuesday, Thursday, and Friday, and 9.30 P.M. on Saturday: Mr. R. P. Bristow, Boots, Ltd., Mr. W. T. Fuge, Lansdale & Co., Mr. R. T. Wylie, and Miss R. Kathleen Spencer.—The Acerrington Town Council are making a Shops Acts closing order to include chemists and druggists, the hours of closing being Monday, 8 P.M.; Tuesday, 9 P.M.; Wednesday, 1 P.M.; Thursday, 8 P.M.; Friday, 9 P.M.; Saturday, 10 P.M. [Such order, if made, will not prevent the sale of medicines or medical and surgical appliances after these hours.—EDITOR C. & D.]—An order has been issued for chemists and druggists at Kingswinford to close at 8 P.M. on Monday, Tuesday, and Wednesday; 1 P.M. or 8 P.M. on Thursday; 8.30 P.M. on Friday; and 10.30 P.M. or 1 P.M. on Saturday; and for those at Brockmoor, Wordsley, and Pensnett at 8 P.M. on Monday, Tuesday, and Thursday; 1 P.M. or 8 P.M. on Wednesday; 8.30 P.M. on Friday; and 10.30 P.M. or 1 P.M. on Saturday.

## Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

**Brevities.**

The Donegal County Council has represented to the Government the necessity for reviving the kelp-industry in the district.

Mr. M. MacDonald, Ph.C., 122 Donegall Street, Belfast, has acquired larger premises, 88 Donegall Street, and will shortly transfer his business there.

Alderman William McCarthy, Ph.C., Clontarf, has been presented with a chain of office from friends in the township whose interests he represents in the Dublin Corporation.

Mr. George Lane McCormack, Ph.C., Monkstown, co. Dublin, recently provided a musical entertainment in aid of the funds for the wounded soldiers and sailors at Monkstown Infirmary.

Local papers publish an account of the battle of Loos from Private Joseph Francis Curran, Irish Guards, who was serving his apprenticeship as a chemist in Belfast when the war broke out.

It was reported at the last meeting of the Ennis Board of Guardians that a jar of carbolic acid, valued at 17. 16s. 8d., which was ordered from Boileau & Boyd, is missing. It was proved that it was left at the hospital door. The medical officer asks for a further supply.

Mr. Marcus H. McCormick (of J. J. Graham & Co., 30 Westmorland Street, Dublin) has received a commission in the Royal Munster Fusiliers. He is the third member of the staff to join his Majesty's Forces within the last few months, Mr. M. O. Walshe (son of the proprietor) having received a commission in the K.O.Y.L.I. and Mr. H. O'Shea in the Dublin Fusiliers. Altogether nine of the staff are serving their King and country.

The Local Government Board have requested the Newry Guardians to furnish them with the average number of

samples analysed yearly by Mr. McMullan, drug-analyst, and have intimated that the remuneration should not exceed 6s. per sample. Mr. McMullan's salary was recently increased from 20*l.* to 25*l.* per annum. The Clerk said the number of samples analysed for the past three years averaged eighty-seven, equal to 29*l.* 2s. per annum at the rate of 6s. per sample.

#### Christmas Window-displays.

The Dublin pharmacies are at present making special window-displays for the Christmas season. Considerable enterprise and much good taste have been combined to produce several attractive exhibits. Hamilton, Long & Co., Ltd., make the public remember "Our Boys at the Front" by means of a card calling attention to the "Tommies' Cookers," and an offer to pack all presents for "The Boys in the Trenches" free of charge. The background of the windows is artistically draped with "daffodil and scarlet," bright hues which show to advantage a selection of useful articles for the toilet. Hayes, Conyngham & Robinson, Ltd., show "Monster" chocolate-caskets and a fine assortment of toilet-requisites, including manicure-cases, hair-brushes, smelling-salts, etc. Amateur or professional photographers are also catered for in a display of cameras and photographic requisites. Mr. W. H. Ashmore, Ph.C., the International Pharmacy, Dawson Street, has a well-arranged display of photographic supplies, including "Brownies for the Children" and "Kodaks for the Grown-ups," and his stock of toilet-goods is represented by his pilocarpine hair-lotion and boxes of violet oatmeal soap. Flasks of scientifically prepared Bulgarian sour milk, which "he despatches daily to all parts of the city and suburbs," give an idea of an interesting branch of the business. J. S. Evans & Co., the St. Stephen's Green chemists, display pectoral linseed balsam "to cure coughs and warm the chest," and an assorted line of British-made hot-water bottles. Boyd & Goodwin, Merriem Row, have an attractive window of perfume-caskets, and a smiling damsel on a pretty showcard eagerly invites you to spend a "crown" in purchasing an "Icy-hot" vacuum flask.

## Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

#### Brevities.

Claims against James R. McHattie, chemist and druggist, 210 Gallowgate, Aberdeen, are to be lodged with Mr. W. D. Reid, 5 Haddon Street, Aberdeen, agent for the trustees.

Miss Winton Gray, as principal lady pianist at a concert in Kinnaird Hall, Dundee, on behalf of War Prisoners' Fund, had a splendid reception. Miss Gray is a daughter of Mr. John Gray (Davidson & Gray, wholesale druggists, Nethergate, Dundee).

Mr. J. C. McCorquodale, chemist and druggist, Markinch, placed in his pharmacy window on Thursday morning, December 16, a life-size portrait of Sir Douglas Haig, the new Commander-in-Chief of the British Forces in France. Sir Douglas was born in Markinch parish, which is noted for the production of big things, and local pride in the great soldier was materialised by Mr. McCorquodale. General Haig's family are the well-known spirit-distillers at Cameron Bridge, which lies between Markinch and Leven.

#### Edinburgh.

At a meeting of Governors of George Heriot's Trust Bailie Inman, the new governor, was welcomed by Lord Provost Innes, who presided.

From all accounts a serious shortage of spirits of every kind is imminent. In consequence methylated spirit is very difficult to get, and some wholesale houses are bare of stock.

The bigger pharmacies in the city are making Christmas displays. Some of the smaller chemists have been too busy these last few months to bestow much attention upon their windows. The irregular fashion in which goods arrive also tends to upset window-arrangements. In one instance a traveller was round on his second visit (with the statement) before his former order had appeared.

#### Fife.

Business in Dunfermline augurs well for Christmas. The "Tommies" there will make may purchases of perfumery and toilet dainties for the "girls they've left behind them."

The keen cold spell on the East Coast has made a demand for cough and neuralgia remedies. St. Andrews chemists are sharing the benefits of the "ill wind that blows nobody good."

The difficulties attending the transit of chemists' stocks have been much increased by the curtailment of the Scottish train services. A local chemist asks if the seriousness of matters should not be brought to the notice of the Government, delay in the receipt of drugs and appliances often meaning serious consequences to the sick and ailing. It has been suggested to apply for the use of the "Red Cross Design" painted on the outside. Another suggestion is to label the packages "Hospital supplies for direct transmission to destination."

#### Glasgow and the West.

Paisley chemists are extremely busy, there being a serious epidemic of diphtheria in the town.

Cod-liver oil in a city shop famed for cheapness is exactly three times the price it was twelve months ago.

The chemists on the panel in the islands of Bute and Cumbrae have intimated their desire to resign as from December 31.

Ignition-tubes having reached the extreme price of 10s. 6*d.* per gross, students will have to devise some method of economising in their use.

The Edinglas Drug Co. is the name of a new manufacturing company whose premises are at 543 Argyle Street, Glasgow, with a branch in Edinburgh.

There will in all probability be a large business done by chemists this Christmas in "Nutshell Canteens" and other useful articles occupying little space for the boys in the trenches.

Glasgow and West of Scotland Chemists' Association, 165 Hill Street, Charing Cross, will be closed every evening at 4.30 p.m. from Friday, December 24, to Monday, January 3, 1916.

The scarcity of phials is gradually becoming greater, and employes in some cases have been instructed to retain customers' phials suitable for dispensing by replacing them with other odd bottles. Larger sizes of bottles do not show the same scarcity.

Arrangements are in progress for the Christmas windows, and one observes that the series of Christmas trade articles in the *C. & D.* will be much utilised. Prominence is being given to articles suitable for the National Forces, but there is also abundant evidence that the home folks are not to be forgotten. Perfumes seem to be as prevalent as ever.

#### Sphagnum Moss as a Wound-dressing.

There was a large attendance at the opening of the sphagnum-moss works at Redpath, Brown & Co.'s, Edinburgh, on Monday, December 13. The works have been erected through the generosity of Sir John Cowan, managing director of that company, to prepare the moss as a surgical dressing by a process devised by Mr. Charles W. Cathcart, a leading surgeon in Edinburgh, who decided that a sublimated moss, on the lines of "Sub." wool, would have advantages over the plain moss which has been worked on voluntary lines for supply to Red Cross hospitals during the past year. The building consists of a "sublimating" room, fitted with electrically-driven apparatus for extraction of surplus solution from the moss after medication; a steam-heated drying-room; a weighing and compressing room, where, by means of a 200-ton hydraulic press, the dry medicated moss is compressed into suitable sheets about  $\frac{1}{2}$  in. thick; and, lastly, a packing-room, where voluntary lady workers cut up the sheets and sew them into muslin bags for use. Mr. G. F. Merson, Ph.C., F.C.S., assisted Mr. Cathcart at the opening ceremony in demonstrating the working of the plant. Mr. Cathcart, in the course of an address to the company, stated that it is to Germany that surgeons in this country owe their knowledge of the value of this moss as a dressing. He pointed out that while cotton-wool has a high absorbent power, it is not so efficacious as sphagnum moss, which he considered to be the "very best material which the world knows at the present time" for the dressing of war-wounds. The disadvantage of cotton-wool is that while it absorbs the discharge the latter does not spread, but goes right through the wool, which means a great deal of waste and trouble. Every part of sphagnum moss absorbs the discharge, and is also very deodorising.

THE USE of Professor Bottomley's humogen, or bacterised peat, is the subject of a book, by Mr. G. D. Knox, entitled "The Spirit of the Soil." Illustrations are given of plants treated with humogen side by side with those grown in the orthodox manner.

## Legal Reports.

**"Cowslip" Brand Condensed Milk.**—In the Chancery Division, Mr. Justice Sargant heard, on December 10, an appeal by Joseph Emil Maeder, of Fenchurch Buildings, E.C., from the decision of the Registrar of Trade-marks refusing to proceed with his application to register his trade-mark. The applicant had carried on business for the last twenty-six years, during which time he had sold condensed milk of the "Cowslip" brand, and to the best of his knowledge no other condensed milk called "Cowslip" had been sold. He submitted that the mark should be allowed to be registered; but the Registrar had refused to do so on the ground that the mark bore so much resemblance to a mark already registered that if registered it would be calculated to deceive. His Lordship said the Court had power to weigh against the possibility of confusion in the mind of the public the commercial claim which the proprietor of a trade-mark might have acquired through long user. He thought the case was one in which the Court might allow registration to proceed because of honest concurrent user.

**Phosphate of Lime Contract.**—In the King's Bench Division on December 16, Mr. Justice Bailhache had before him the special case of *J. J. Cunningham, Ltd., v. Compagnie de Phosphates du Dyr*, which was in regard to a phosphates contract. The matter arose out of a contract in January 1907 for the sale of 15,000 tons of dried Algerian or Tunisian phosphate of lime produced by the *Compagnie de Phosphates*, and the dispute concerned a delivery that should have been made in January-February 1915. The question was whether the sellers were excused from delivering because of the provisions of an exceptions clause, which was in very wide terms. The dispute went to two arbitrators and an umpire. The latter had found that there was a voluntary closing-down of the mines, that there was no State interference within the exceptions clause, and that no evidence was produced to support the sellers' allegation that there had been these various operating clauses. He found the sellers were not entitled to postpone shipment, that they were bound to ship the cargo, and he awarded the buyers 1,500*l.* damages against the sellers. Mr. Justice Bailhache came to the conclusion that he could not interfere with the award. He made a declaration accordingly, with costs to be paid by the French company.

**Platinum Needles.**—In the City of London Court on December 14, before Sir John Paget, Bart., K.C., Deputy-Judge, and a jury, an action was brought by Mr. Henry E. Bossut, manufacturers' agent, 12 Audley House, Margaret Street, W., against Arnold & Sons, Giltspur Street, E.C., to recover 54*l.* 9*s.* in respect of Record platinum hypodermic needles at 33*s.* per gross supplied. Mr. Morle, for the plaintiff, stated that Mr. Bossut is a Belgian, who had been invalidated out of his country's service, and came to England in January. In August he had an agency for selling platinum needles, and he bought them from Johnson, Matthey & Co. They sold them in the first instance to the firm of M. Mezger & Co. at 2*s.* 4*d.* each. Mezger & Co. sold them on September 3 to the plaintiff, who bought three gross at 2*s.* 5*d.* each, or 29*s.* 6*d.* per dozen. Plaintiff offered them to the defendants, quoting for two gross at 33*s.* per gross, and he said he could make immediate deliveries of the needles and other goods against spot cash. The word "gross" ought to have been "dozen." Defendants accepted the plaintiff's price of 33*s.* per gross. A mistake was also made in the invoice. When the plaintiff came to receive his money the mistake was pointed out, but the defendants had refused to put it right by paying for the goods at the rate of 33*s.* per dozen. Plaintiff was a foreigner, and so little did he know of our own system of weights and measures that he sent in the invoice at "per oz." instead of "per gross." Mr. Kingsbury, for the defendants, said the invoice was really "per dozen," and not "per oz." The contract was a complete one, and now the plaintiff wanted to get out of it by making a suggestion of unfair dealing. There was not the slightest justification for any such aspersions. Mr. J. Ridsen, manager of the platinum department of Johnson, Matthey & Co., and Mr. Bossut gave evidence in support of Mr. Morle's statement, and consequently on his Honour's remark that the case could not be finished that day, the foreman of the jury said they were prepared to give their verdict on the facts of the case. The Deputy-Judge adjourned the case till Monday. When the jury had left the Court, Mr. Kingsbury said he did not think they ought to go on with the case before the same jury, as they had taken sides in the most violent way

without hearing all the evidence, and shouting out things. Mr. Morle said there was no ground for such a suggestion. The Deputy-Judge said he would not discharge the jury, but if the verdict was perverse he would not accept it. It might be that the case might not go to the jury at all.

**Wages in Lieu of Notice.**—At Nuneaton County Court, before Judge Moore Cann, on December 3, George F. Clarke, chemist's assistant, sued George Davison, chemist and druggist, 29 Market Place, Nuneaton, for 8*l.*, being four weeks' wages in lieu of notice. The plaintiff had been for some years an assistant with Thomas Iliffe & Son, whose business defendant took over on June 7, when he continued the arrangement with plaintiff, paying him 2*l.* a week. The first part of the hearing was taken up with legal argument as to the notice alleged to have been given by defendant to plaintiff on September 4, and his Honour decided that the onus was upon the defendant to prove the notice. Accordingly defendant stated in evidence that it had been arranged that plaintiff's holiday would be discussed when the apprentice came back on September 6, but before that defendant told him that he was afraid he could not keep him on, and that it would be better that he should take his holiday and he would pay him for it. On the evening of September 4 he paid him his wages, 2*l.*, and later on another 2*l.*, telling him that he should look to Iliffe's executors for another 2*l.* Plaintiff returned on October 2, when defendant told him that he had given him notice. Subsequently plaintiff asked why, and defendant replied that shortages had taken place. Defendant was severely cross-examined on this last point, and his Honour commented upon it, also reading a letter written by defendant to the plaintiff on September 8, while plaintiff was on his holidays, couched in most friendly terms and expressing the hope that he was enjoying his holidays. His Honour asked if it was the sort of letter an employer would write to a man whom he knew to be guilty of embezzlement. Defendant replied that he wrote in that strain bearing in mind plaintiff's lengthy connection with the firm and having a desire that the separation should not be accompanied with any unpleasantness. The plaintiff then gave evidence, emphatically denying that anything had been said to him about notice until his return from holiday, nor was there any truth in the allegations made against him by the defendant. In giving judgment for the plaintiff for the amount claimed, because the notice said to have been given had not been proved, his Honour observed that the allegations of embezzlement had not only not been proved, but the plaintiff stood absolutely free from the liability of having any such charge brought against him. "The charge has," said Judge Cann, "been made in open court, and unless it is proved, plaintiff is entitled to hear from the Court itself that he has not had any such charge established against him, and that, so far as the Court knows, he is absolutely an honest man."

## Bankruptcy Reports.

**Re Tom Frost**, Fulham Palace Road, S.W.—At the examination of this debtor in the London Bankruptcy Court on December 10, it was stated that in 1903 he took over a patented process for generating and binding ozone, and had exploited it under the style of "Ozone Preparations." The statement of affairs showed liabilities 12,667*l.* and assets 153*l.* The debtor estimated that he lost 8,000*l.* in connection with the ozone process, and 6,500*l.* on other schemes. The examination was closed.

**Re Edward Theodore Ainley**, Nowton, carrying on business as a chemist at Woolhall Street, Bury St. Edmunds.—The first meeting of the creditors of this debtor was held at the offices of the Official Receiver, Ipswich, on December 8. The summary of debtor's statement of affairs showed gross liabilities 276*l.* 10*s.* 11*d.*, all expected to rank, and assets 155*l.* 12*s.* 9*d.*, leaving a deficiency of 120*l.* 18*s.* 2*d.* The Official Receiver observed that the debtor, having been served with a writ for 33*l.*, and with two summonses for sums amounting to about 32*l.*, which he was unable to satisfy, filed his own petition, and was adjudged bankrupt the same day. The debtor became aware of his insolvency about six months ago, and had contracted small debts since in carrying on his business. All the creditors were mainly for goods supplied. The matter was left in the hands of the Official Receiver to deal with.

**RÉUNION VANILLA.**—During 1914 54 tons of vanilla was exported, the figure for the previous year being 50 tons. Prices in Réunion stood between 30*f.* and 35*f.* (1*l.* 4*s.* and 1*l.* 8*s.*) per kilo, before the beginning of the war, when they came down to 15*f.* and 20*f.* (12*s.* and 16*s.*) per kilo, the average price thus being for the year 25*f.* (1*l.*) per kilo.

## Limited Companies.

### New Companies Registered.

**P.C.** means Private Company and R.O. Registered Office.

**INTERNATIONAL PAINT AND COMPOSITIONS CO., LTD. (P.C.).**—Capital 1,000*l.* The subscribers are T. M. Little and G. H. Coy, Newcastle-on-Tyne.

**FLUORESCENT MATERIALS, LTD. (P.C.).**—Capital 500*l.* Objects: To carry on the business of manufacturers of and dealers in x-ray machines and apparatus, chemists, druggists, etc. The subscribers are H. C. Merrett and H. W. Hill, H. C. Merrett being permanent governing director. R.O., 41 Finsbury Square, E.C.

**BRITISH VEGETABLE PRODUCTS, LTD. (P.C.).**—Capital 5,000*l.* Objects: To carry on the business of manufacturers of dried or desiccated vegetable products, such as "Julienne" and other foods, by special processes or methods of Dr. S. W. Wilkinson. The first directors are H. G. Reeves, H. W. Symington, C. C. Cook, S. T. Ellis, and Dr. S. W. Wilkinson. R.O., Buckland Brewery, Chapel Street, Buckland, Portsmouth.

### Company News.

**BOOTS CASH CHEMISTS (EASTERN), LTD.**—The directors announce a quarterly dividend on the ordinary shares at the rate of 10 per cent. per annum, free of income-tax.

**LEWIS & BURROWS, LTD.**—The annual report for the year ended September 30, 1915, states that, in spite of trading difficulties caused by the continuance of the war, the net result has been distinctly more favourable. During the year no change has been made in the number of branches, but two existing leases have been renewed. A good number of the employees have enlisted, and their places have been filled as far as possible by women or men ineligible for military service. The directors have set aside 1,000*l.* to depreciation reserve account, and a further sum of 250*l.* to the investment reserve account. The net balance available for dividends is 3,709*l.* 18s., out of which it is proposed to pay a dividend on the preference shares at the rate of 6 per cent. per annum, and on the ordinary shares at the rate of 2½ per cent. per annum, leaving a balance of 660*l.* 8s. to be carried forward. Owing to the insufficiency of the National Insurance Fund to meet its liabilities, the amount available for dividends, reserve, and carry forward is reduced by some hundreds of pounds. Mr. J. K. Matterson retires by rotation, but is eligible for re-election. Presiding at the annual meeting on September 30, Mr. J. R. Brough (chairman of directors) said that, owing to the insufficiency of the National Insurance Fund to meet its liabilities, the company had this year not been paid in full by the Commissioners by more than 300*l.* Since the Insurance Act came into force the company had provided goods for which they had not received sufficient payment to the extent of nearly 1,000*l.*, which represented about 2 per cent. of their ordinary dividend.

**IDRIS & CO., LTD.**—The annual report for the year ended October 31, 1915, states that the profit for the year, after charging debenture interest and writing off the usual depreciations, is 3,518*l.* 14s. 11*d.*, compared with the profit for the year 1914 of 3,266*l.* 10s. 5*d.* The war has adversely affected the company's business during the past year. The sales show a considerable falling-off, and the cost of manufacture and delivery expenses have been largely increased. The full effect of these additional charges has not been felt this year, owing to the fact that some favourable contracts had been entered into by the company at the commencement of the year. During the current year these increased expenses, it is feared, will affect the business to a larger extent. In order to meet these heavy additional charges the selling-price of mineral waters has been recently advanced, which will to some extent cover the increased cost of manufacture. The directors, after carefully considering the matter, feel that, in spite of the present uncertain conditions of trade, due to the war, they are able to recommend the payment of a dividend of 3 per cent. on the "A" preference shares, which will absorb the sum of 3,300*l.* After paying this dividend the balance remaining to the credit of profit-and-loss account to be carried forward will be 1,668*l.* 13s. 1*d.* It will be seen from the balance-sheet the goodwill has been reduced from 22,757*l.* 10s. to 12,757*l.* 10s. The amount (10,000*l.*) written off has been debited to reserve account, which now stands at 19,941*l.* 15s. 1*d.* Mr. T. H. W. Idris and Mr. W. T. W. Idris retire from office, but they offer themselves for re-election. The annual meeting will be held at the Midland Grand Hotel, St. Pancras Station, on December 21, at twelve o'clock noon.

## Births.

Authenticated notices are inserted without charge.

**GREEN.**—At Bethlehem, Orange Free State, on November 5, the wife of J. P. Green, chemist and druggist, of a son.

**MAPSON.**—At Henleaze Pharmacy, Westbury-on-Trym, Bristol, the wife of L. W. Mapson, chemist and druggist, of a daughter.

**Mogg.**—At 17 Meteor Street, Cardiff, on December 14, the wife of A. T. Mogg, pharmacist, of a daughter.

**TODD.**—At the Greenwood Park Pharmacy, Red Hill, Natal, on November 7, the wife of Arthur H. Todd, Ph.C., of a son.

## Marriages.

Authenticated notices are inserted without charge.

**DOUGALL-SALTAU.**—At "Colmer," Merri Street, Warrnambool, Victoria, on October 5, William Braidwood Dougall, chemist and druggist, eldest son of the late Rev. William Dougall, Stonehaven, Scotland, to Mary, eldest daughter of the late Henry Saltau, Warrnambool.

**MACGREGOR-BROWNIE.**—At Springburn, Glasgow, on December 14, John MacGregor, chemist and druggist, Glasgow, to Sara Agnes McGregor, fourth daughter of Mrs. Brownie, 286 Springburn Road, Glasgow.

**SISTERSON-HALL.**—At St. Mary-le-Bow Church, Durham, on December 8, Thomas Sisterston, chemist and druggist, Felling-on-Tyne, to Dora, daughter of Mr. Hall, Museum Cottage, Durham.

**WARNER-FASHAM.**—At the Holy Apostles' Church, Cheltenham, on December 4, Private G. Raymond Warner, A.C.C., eldest son of Mr. G. Oram Warner, M.P.S., pharmacist, Berkeley, Glos, to Edith Rosa Fasham, Cliftonville, Margate.

## Deaths.

Authenticated notices are inserted without charge.

**ALVERSTONE.**—Richard Everard Webster, Viscount Alverstone, ex-Lord Chief Justice, died at Winterfold, Cranleigh, Surrey, on December 15. His Lordship was born on December 22, 1842, and was a son of Mr. Thomas Webster, K.C. He had a distinguished career at the Bar, and became Attorney-General when he was forty-two. In May 1900 he became Master of the Rolls, and a few months later Lord Chief Justice. In the latter capacity he presided at the Court which heard the Medicine-stamp Acts cases *Ransom v. Sanguinetti* and *Farmer v. Glyn-Jones*, giving judgment in the former case, but leaving the considered judgment in the latter to Mr. Justice Wills. He was also the principal judge in the Pharmacy Act appeal *Pharmaceutical Society v. Edwards*, decided in April 1910. He and the late Michael Carteighe were, as members of the Council of the Society of Arts, intimate friends. We may recall that while at the Bar he was leading counsel for the patentees of lanoline in their action respecting Liebreich's patent, and to his perspicacity the clearing of the fog that enveloped the case was chiefly due, his final argument being one of the most masterly expositions; indeed, his reputation as an advocate was largely due to his keen appreciation of scientific facts.

**BENTHAM.**—At 3 Park Lane, Stamford, on December 5, Mr. Isaac Bentham, aged ninety-four. A native of St. Ives (Hunts), he served an apprenticeship to pharmacy at Huntingdon, and ultimately took over his employer's business. Later he was at Cambridge, and with Peter Squire, Oxford Street, London. He had lived at Stamford for about half a century, but had had no connection with pharmacy for many years.

**BLAYNEY.**—At Alexandra Terrace, Haslingden, on December 11, Mr. Joseph Jarvis Blayney, chemist and druggist, aged eighty-four. Mr. Blayney was a native of Chester, and served his apprenticeship there; afterwards he was senior assistant with Jawsbury & Brown, Manchester, and he started business on his own account in Haslingden before the Pharmacy Act passed, and was succeeded by his youngest son, Mr. W. H. Blayney, chemist and druggist.

**BROOMFIELD.**—Suddenly, on December 11, Mr. Walter Henwood Broomfield, chemist and druggist, of the New Forest Pharmacy, aged fifty.

**EVANS.**—Suddenly, on December 6, Mr. Charles Edward Evans, manager for Mr. J. E. Richardson, chemist and druggist, High Street, Yarmouth, I. of W., aged seventy-one.

**GREAVES.**—On December 2, Mr. Alfred E. Greaves, chemist and druggist, 75 Fore Street, Redruth, Cornwall, aged forty-three. Mr. Greaves qualified in 1896, and three years ago took over the business of Edwards, Ltd., at the above address, having for some years previously been with the Timothy White Co., Ltd., 14 Fore Street, Redruth.

**PAINE.**—At 11 Barkston Gardens, London, S.W., on December 11, Mr. Cornelius Henry Paine, senior partner of Paine & Reid, produce-brokers, 32 Fenchurch Street, E.C., aged seventy-eight. Mr. Paine was a well-known Mining Lano broker, being chiefly associated with West Indian produce (sugar, cocoa, spices, etc.) for over sixty years.

#### Killed in Action.

**BROWN.**—Corporal Robert Brown, of the East Lancshires, whose death in action is reported, was formerly with Mr. Critchley, chemist, King William Street, Blackburn.

**TAYLOR.**—Killed in action at the Dardanelles, recently, Private Wm. Taylor, of the East Lancashire Territorials, and a former assistant to Mr. W. H. Lomax, chemist and druggist, Darwen, aged twenty-one.

[Sergeant H. I. F. Brown, R.A.M.C., whose death was reported last week (p. 42), was a son of Mr. R. F. Brown, chemist, Cockermouth.]

## Trade Notes.

**ARTHUR H. COX & CO., LTD.**, Brighton, have secured the latest Indian Government contract for the supply of pills.

**CELLULOSE WADDING** in bulk is on offer by the Hospital and General Contracts Co., Ltd., 19, 21, 25, and 35 Mortimer Street, London, W. Inquiries are invited.

**THE REMOVAL** of Wigglesworth & Co. to West Houghton, Lancs, to which we referred last week, is on account of the need for more space to accommodate the rapidly growing business. The new premises have five times the floor-space of the Rosehill Works, and are equipped with the most modern machinery.

**FOR THE TRENCHES.**—The trench ointment and anti-frostbite balm which we mentioned last week as being produced by Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, are sent out in collapsible tubes. These are convenient for transmission by post, and should be brought to the notice of those having friends at the Front.

**CAPSULES AND PERLES.**—Potter & Clarke, Ltd., manufacturing chemists, 60, 62, and 64 Artillery Lane, London, E., recently installed new machinery for the manufacture of capsules and perles, and are making these products in large quantities. We have examined samples of santal oil, creosote, and quinine-and-cinnamon capsules, and find them to be well made and finished. The capsules are sent out in boxes or in bulk.

**WRIGLEY'S CHEWING-GUM.**—Mr. Thomas Russell, President of the Incorporated Society of Advertisement Consultants, London, contributed to a recent issue of "Printers' Ink" an interesting article entitled "How Wrigley Overcame British Prejudice against Chewing-gum." He tells how Mr. J. E. Jewell, of Heppell & Co., manufacturing and wholesale chemists, 164 Piccadilly, London, W., wrote in March 1911 to Mr. Wrigley in regard to putting his chewing-gum on the British market. Mr. Wrigley replied that the gum was \$48 a case, and that when he got the money the goods would be shipped. Five cases were ordered and paid for, and then Mr. Wrigley came over here: the Spearmint gum soon began to be known, and a quarter of a million dollars was spent in advertising. The first plan of distribution was not altogether successful, so Mr. Wrigley introduced a small wholesale box of eight packets, each bar separately wrapped, so that small shops could break the bulk and sell chewing-gum for a halfpenny a stick. Besides newspaper advertising, other methods of publicity were introduced, and the first boom in sales has been followed by others, so that Mr. Russell is able to conclude: "Thus persistent and persevering advertising, coupled with the discovery of the right method of trade organisation, has had the effect of creating, at all events in the working-class here, a habit which the British did not formerly possess." We daresay Mr. Jewell will in good time introduce to the British public "the Spearmint Kid with the Wrigley Eyes." This is a doll which is doing a lot of business in chewing-gum in the United States.

**WEBB, FARDON & CO.**, 105 Redcliff Street, Bristol, have taken over the business of the Arms Stock Food Co., and are moving to larger premises at 89 Redcliff Street.

**THE business** of the late Arthur H. Leach, chemist and druggist, 3 Kay Street, Darwen, has been taken over by Mr. R. E. Knowles, chemist and druggist, son of Mr. Robert Knowles, chemist and druggist, Morecambe, and formerly of Darwen.

## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

#### FERTILISERS IN SCOTLAND.

It is officially announced that the question of the extension of the time for farmers obtaining nitrogenous manures under the Board of Agriculture's scheme from January 1 to April 1 is engaging the attention of the Department.

#### THE KELP-INDUSTRY.

Mr. McKinnon Wood, Secretary for Scotland, announced on Tuesday that the Board of Agriculture have secured the co-operation of the proprietors of most of the Hebridean estates on which kelp might be, but has not recently been, made, with a view to extending the area of the industry; but through scarcity of labour, and in some districts of seaweed, not much progress has been made during the past season.

#### NITRATE AND PHOSPHATE MANURES.

Mr. Acland, Parliamentary Secretary of the Board of Agriculture, informed Mr. Peter Ffrench, M.P. for Wexford, on December 14, that the Board's statistics as to stocks of artificial fertilisers cannot be published. Prices vary considerably at different centres, and are subject to numerous qualifications, which make it difficult to give them in reply to a question. In reply to another question by Mr. Ffrench about phosphate manures, Mr. Acland explained the conditions of the Fertilisers and Feeding-stuffs Act as regards invoicing of fertilisers.

#### SULPHATE OF AMMONIA (EXPORTS AND IMPORTS).

Mr. W. C. Bridgeman, M.P., who now answers in the House of Commons for the War Trade Department of the Ministry of Munitions, announces that the exports of sulphate of ammonia produced in this country were for September 21,943 tons, October 22,951, and November 30,633 tons. It was further stated that the possible extension beyond the end of December of the term during which a portion of the sulphate of ammonia manufactured in this country would be reserved for purchase by farmers at a maximum price is now under consideration. The imports of sulphate of ammonia in 1913 did not exceed 100 tons.

#### BENZOL AND TOLUOL.

Mr. Will Thorne, M.P. for West Ham, asked the Minister of Munitions on December 15 a question about the extraction of benzol and toluol from coal-gas having lowered the calorific power of the gas, and if he intends taking action in the matter. Mr. Lloyd George replied that the requirement referred to was necessitated by paramount interests of national defence. He is advised that the effect on the calorific power of gas will be inappreciable, and in view of the greatly increased use of incandescent burners the effect on illumination will also be restricted. The conditions under which the gas companies have undertaken the operation at the urgent request of the Ministry are not such as to yield them any profit, so that he trusts that the appeal made to the public authorities not to attribute blame to the gas companies for any slight inconvenience that may be caused to consumers may have general support, including that of his hon. friend.

#### DEPENDANTS' MEDICAL TREATMENT SCHEME.

Mr. Fenwick, M.P. for Northumberland (Wansbeck), having asked the Under-Secretary of State for War a question about a statement, signed by fourteen doctors and circulated among the miners of Northumberland, declaring wives and dependants of soldiers and sailors must either join their clubs and pay 9d. per fortnight, or else be prepared to pay a private bill for medical attendance, Mr. Tennant replied on December 14 that his attention had not been called to this matter previously to the receipt from his right hon. friend of a copy of the statement referred to. He proceeded to explain the arrangements made for medical and pharmaceutical service to dependants, adding that the thanks of the public to the medical and pharmaceutical professions for their action in this matter should be put on record. These services have been very fully appreciated, but it was obviously not for him to say how long they can continue to be rendered.

#### OPTICAL INSTRUMENTS.

The Minister of Munitions has informed Sir P. Magnus, M.P. for London University, that optical instruments which have been submitted to the Government by traders under the Order in Council are subject to a preliminary official test at local testing centres temporarily established throughout the country to prevent inconvenience to traders. If, as a result of this test, the instruments are found unsuited for H.M. Forces they are at once returned to the

trader, and may then be dealt with under licence. If, as the result of the preliminary official test, they are deemed likely to comply with the stringent Government tests they are sent to the Government testing offices. If they then pass the Service tests they are acquired by the Government. The Ministry has every reason to believe that such official tests, which are carried out under the supervision of experienced military officers acquainted with the conditions under which the instruments will be used, are of a sufficiently stringent nature to ensure the accuracy and serviceability of those issued to the Forces.

Dr. Addison, M.P., informed Sir P. Magnus, M.P., on Monday that the following institutions in London have been entrusted with the preliminary official test of the optical instruments submitted to the Government by traders for the use of H.M. Forces under the Order in Council: Imperial College of Science and Technology, King's College, University College, Birkbeck College, Battersea Polytechnic Institute, Northern Polytechnic Institute, South-Western Polytechnic Institute, and Northampton Polytechnic Institute.

#### INSURANCE DISPENSING IN SCOTLAND.

To the main replies given by Mr. Charles Roberts, Comptroller of the Household and Chairman of the Insurance Advisory Committee, in the House of Commons last week on the subject of the withdrawal of Scottish chemists from insurance dispensing, the following supplementary colloquy may be added:

Mr. Handel Booth, M.P. for Pontefract, asked whether in this important matter the hon. gentleman is following the advice of the Scottish Commissioners or some other Commissioners.—Mr. Roberts: I listen to the advice that is tendered to me by my Department. I cannot give any information as to what that advice is.

Mr. Pringle, M.P. for N.W. Lanarkshire: Will the hon. gentleman say whether the Scottish Commissioners were not appointed to supervise the administration of the Act in Scotland, and what is the use of these Commissioners if their advice is not to be taken on a matter of this importance?—Mr. Roberts: In administrative questions of this kind the Scottish Commissioners tender advice, and the policy which I adopt is the policy which I recommend to the House.

Mr. Pringle: Have they been asked for advice?—Mr. Roberts: Yes, and I received their advice.

Mr. Hogge, M.P. for East Edinburgh: What advice did the Scottish Commissioners give?—Mr. Roberts: That is what I have stated I do not intend to communicate to the House.

Mr. Watt, M.P. for Glasgow: Can the hon. gentleman say whether this scheme is a Morant scheme or a Roberts scheme? (Laughter.)

On the question of pricing, Mr. Pringle asked whether the hon. gentleman has endeavoured to make an estimate based on the experience of the Scottish chemists.—Mr. Roberts: The work is quite different. It would not help in the least.

Mr. Pringle: If the work is different, why then does the hon. gentleman apply the same conditions as to English chemists?—Mr. Roberts: It is to secure the same remuneration under similar conditions for Scotland as for England. As I understand the claims of the Scottish chemists, they are for a higher rate of remuneration than they have received up to the present time.

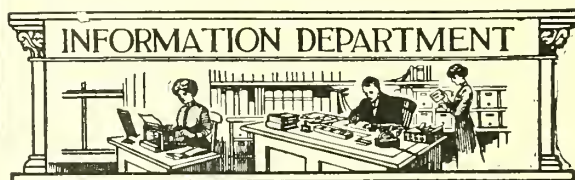
#### The Settlement.

Replying to a question by Mr. Hogge, M.P. for East Edinburgh, in the House of Commons on December 15 in regard to the disagreement with panel chemists, Mr. Charles Roberts said: "As I have indicated in reply to previous questions, the necessity of maintaining the supply of drugs, medicines, and appliances to insured persons in Scotland during 1916 has been the governing consideration in all negotiations on this subject. As a result of further representations made on behalf of chemists on the panel in Scotland I have been enabled to authorise Scottish Insurance Committees to offer terms of service for 1916 to chemists in each area, which are designed to safeguard the interest of the Exchequer so far as is possible under war conditions, and will, I have every reason to hope, secure the continuance of the chemists' service during the forthcoming year."

**CASEIN IN INDIA.**—The production of casein for export has for some years been a profitable business at Anand in the Baroda State. Much of it is sent to Europe for the manufacture of galalith, an increasing European industry. In 1910 at Lurgère (France) 440,000 lb. of casein were converted into galalith—the produce of thirty-five dairies that sent their milk to the factory. It takes 15.85 gals. of milk to produce 2.20 lb. of galalith.

## Java Cocaine-factory.

DURING recent years there has been much talk of founding a syndicate of Java coca-planters and manufacturing cocaine, but the idea has never crystallised simply for the reason that a large number of planters were under contract to deliver coca-leaves to cocaine-makers in Europe for a considerable number of years to come. Moreover, European makers would probably have adopted a hostile attitude and allowed the crude cocaine to accumulate until the producers were forced to sell at a low rate. In 1912, when the coca-leaf unit fell from 33.7c. to 18c. per half-kilo, the matter was thoroughly discussed by the planters under the guidance of Dr. de Jong, and they arrived at the conclusion that by founding a coca syndicate to include practically all the Java planters it would be much easier to compete against the Peruvian coca-leaves and crude cocaine. Although everything appeared favourable for the syndicate nothing was done, the German cocaine-makers no doubt barring the way. There is now no convention of cocaine-manufacturers, and since the war has considerably interfered with the market for coca-leaves, the prices of which have been falling, the present time is regarded opportune in Java for erecting a factory for the manufacture of cocaine. We read in the "Indische Mercur" that a start has already been made at Soekaboemi, where De Jong's method of extraction has been adopted. This is the first factory of its kind to be erected in Java, and it is hoped to save 80,000 florins in freight alone. Its erection is due to the initiative of Mr. W. Ligtvoet, a planter, who has entered the business on his own account without, it appears, the co-operation of any syndicate. The extraction apparatus has been furnished by Otto Wilhelm, of Stralsund, Pomerania, according to the specifications of Dr. de Jong.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London. E.C.

Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).

Telephone Number: 3517 CENTRAL (three lines).

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- |   |  |
|---|--|
| 62/36. Saponin (British makers).          | 64/61. Liq. hydrarg. oxyeyanid.                            |
| 61/23. Milk steriliser on the (Maitland). |  |
| Soxhlet principle (British makers).       | 63/54. Rivers' remedy for rats.                            |
| 65/2. Rowe's laxative cascara.            | 68/19. "Special Compound Capsulette," a reliable specific. |
| 64/60. Mannitol nitrate tablets.          | 68/39. "Parkill" chest-protector.                          |
| 65/65. Iodopex.                           |  |

### INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

- |   |  |
|---|--|
| Armstrong's, Dr. liver pills (suppliers), 68/12                 | "Jaraso" personal weighing-machine, 48/47        |
| "Bacterol," 66/55   | Milk-sugar, 57/53                                |
| Bath-salts, 62/39   | "Nauheim bath-salts," 66/1                       |
| Bitumen, 55/14  | Newton Mason's linseed lin-tus, 121/7            |
| Cartons (American manufacturers), 57/48                         | Nobb's asthma-cure, 65/66                        |
| "Carvino," 36/29  | Ointment-mills, 55/29                            |
| "Diamond" brand menthol-cases, 49/65                            | Oxydol, 55/23                                    |
| Earthenware pots, bottles, etc. (American manufacturers), 57/48 | Roseater's hair-tonic (for South America), 63/14 |
| "Formolyptol," 64/59  | "Sallyco" mineral water, 41/41                   |
| Honey, 58/58  | Triangular bandages, 44/7                        |
|   | Wright's anti-typhoid serum, 66/71               |

## Observations and Reflections.

By Xrayser II.

### The Establishment-charge

is the point on which we are specially urged to concentrate our effort to prove the inadequacy of the new Tariff, but "establishment-expenses" is a very vague term, and I gravely doubt whether any really accurate definition is possible. Certainly, as Mr. Bromley told the North London Association, the Peat basis is not an equitable one. Although it is difficult to say what proportion of these expenses should be charged to the dispensing department, it cannot be questioned that this should bear a much larger proportion than the ordinary retail, but Mr. Bromley's division itself is not complete; it takes no account of Insurance as distinguished from private dispensing, and manifestly it is, all round, of a somewhat rough-and-ready nature. I doubt whether, except in principle, the Commissioners would allow it any force; the most that can be hoped is that it might give plausibility to our contention that the totals of the fees are too small. Of these fees the establishment-charge is

### A Comparatively Small Part,

and for the reason given our case is weakest with regard to this part. Mr. Bromley rightly says that the charge should be apportioned in accordance with the time and labour involved in the different divisions of our business respectively, but there is often as much difference in these respects between one prescription and another as between some prescriptions and an ordinary retail sale. The Report of the Departmental Committee, however, takes no notice of this fact; it says the correct measure is the *number* of the prescriptions, without regard to their character. This fallacy alone is fatal to any exact calculation. We must base our claim more broadly, show the inadequacy, not of the establishment-charge alone, but of the total fees; the former is a commercial matter only—as much so as the Drug Tariff itself—but the fees as a whole are more than that. It is admitted that mainly they are for "professional services," and this is the strength of our case. Is there any other professional class in the country that would accept such fees?

### Lord Derby's Recruiting Scheme

has been very generally misunderstood, and if its results prove less satisfactory than was hoped the blame will lie rather with the authorities than with the public. The initial mistake was putting it forward as an enlistment scheme. Enlistment is for most people a purely military term, and suggests only the being marched off, sooner or later—and probably sooner rather than later—into the fighting line. Had the call been one for enrolment for national service, with a proviso that all who so enrolled themselves would be liable to enlistment into the Army if on inquiry it was found that this was their proper place, the fact, for a great many men, would have been just the same, but the effect very different. The response would have been twice as ready as it was, and a world of confusion and more or less self-contradictory explanation would have been avoided. The urging, at the last moment, of "starred" men to attest, and the withdrawal of the Treasury minute discouraging the enlistment of Civil servants of the First Division, shows what the real or at least the final intention was. The whole business, however, was muddled, and in the last rush some men had to waste hours and walk miles to find a recruiting office where they could attest. Pharmacists must not be blamed if it proves that they have not attested in proportion to their numbers. They were confronted by a choice between opposing duties, and they were given no sufficient guidance.

### Your Comprehensive Editorial

on "War Want" is one of the most interesting and convincing I have seen, and it would be well had our pessimists the opportunity of studying it carefully and taking its lessons to heart.

Critical remarks made in the House of Commons regarding the amount of oils and fats going to Holland, the Swedish and Danish agreements, and the like, are apt to make us nervous about the grip of the Government on foreign trade, while the official explanations are so unsatisfactory and so incomplete that we are tempted to accept the statements of the critics at their face value. How easy it would have been to give us the facts as to margarine which you quote, and thus at once lay to rest a phantom that has been troubling not a few of us! Similarly, your remarks on the manufacture of synthetics and other chemicals are most timely. In view of our past dependence on Germany, the way in which our chemical-manufacturers have risen to the occasion is little short of marvellous. If we are destined to another year of war, one of the most certain results will be the consolidation of our dye and synthetic industries, all of which will be set on their feet in a way that could not have been accomplished in a century of peace; for we had come to believe that we were helpless in the face of German competition and absolutely dependent on Germany for everything in the way of organic chemicals. The war has killed this fallacy.

### The Profit on Patents

is not a subject with which the Pharmaceutical Society is at all likely to deal, and I do not think we need either desire or fear any interference from that quarter with trade concerns as such. As I have before said, the Society does not exist for trade purposes, and it has never shown any particular aptitude or affection for them. I am not complaining of this—in fact, I am inclined to be glad that the Society's charter stands in the way of any such action as some of its members appear to desire. There is a trading side, and there is a professional side to our business, and it is not easy for any individual pharmacist, or for any association of pharmacists, to give equal attention to both, or to achieve equal success in both. Every sensible man who has the choice decides for himself which side he is most likely to cultivate with success, and the Society, which exists primarily to safeguard our professional interests, is wise to confine itself as far as possible to that task. As individuals we have not always the choice; necessity compels us to a desultory course. As a rule, I should say, the pharmacist who is most eminently successful as a tradesman is the man whose heart is predominantly on the trading side, and who is not pulled both ways, as a Society would be many of whose members look on trade as beneath them—or affect to do so.

### The Utilisation of Canals

suggested in your Scotch Notes is not the simple matter contemplated by the original correspondent. The transport of goods by canal is not difficult in a flat country where few locks are required and where the destination of the traffic is on the canal route, thus rendering further transhipment unnecessary. In any case transit is slow, but where there are six or eight locks to negotiate, as in the thirty miles between Forth and Clyde, there is an additional and serious loss of time. The use of motor-barges is not at present practicable since canals have not been constructed for fast traffic, and the banks and towing-paths would in most parts of the country be washed away quickly by a rapid motor service. Theoretically such a service would be ideal, but large sums of money would need to be spent to protect the canal banks before the scheme could be put into operation. Most of the canal systems in this country belong to the great railway companies, who are bound by statute to keep them open, but they can hardly be expected to do more than keep the canals workable, seeing that railways are so much more profitable. Canals are not likely to be improved till the railways are nationalised, and perhaps not even then, since the railways are infinitely more convenient as carriers of ordinary merchandise. For coal and such-like traffic the canals are quite good as they are, but I fear we shall have little money to spend for "trimmings" like this for the next hundred years at least.

## New Terms of Supply

NOTICE IS HEREBY GIVEN that new terms of supply to the Trade are now in force in respect of all Retail



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December 1915.

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## PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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## Editorial Articles.

### Insurance Dispensing, 1916.

It has been commonly reported this week that Mr. Roberts, Chairman of the National Insurance Advisory Committee, had effected a compromise with the representatives of Scottish panel chemists. This is incorrect: what he has done is to agree to the conditions which the Pharmaceutical Standing Committee (Scotland) insisted upon from the first (see p. 55). We believe we speak for every retail pharmacist in Great Britain when we congratulate the Standing Committee on their success. They have done most valuable service to British pharmacy. With the Committee we, of course, couple Scottish panel chemists as deserving the approbation and thanks of their *confrères* south of the Tweed. They were willing to lose a considerable part of old-business connection rather than accept Mr. Roberts' terms, they backed their venture of protest with this, and have won. At the present time, when we in London are being told by the newspapers that the panel chemists are to be paid in full, we need such a demonstration as the Scottish success in order to bring home to the public the fact that payment "in full" means payment less 20 per cent. off the prices, instead of 20 per cent. off the account. English chemists are not satisfied; many are not continuing the Insurance Act part of their business, and those that remain on the panel do so out of patriotic motives or because they were assured at the October Conference that the terms offered were the best they would get. The success of the Scottish protest disproves the latter. We leave the matter here for the present, feeling that Mr. Charles Roberts, M.P., is not the only person who has received a lesson.

The scheme of the English Insurance Commissioners for pricing Insurance prescriptions in central bureaux is slowly being accepted by Insurance Committees, but it will be noted that some Committees feel that they are being rushed. Coincident with the official scheme the Pharmaceutical Society has proposed to Pharmaceutical Committees a scheme for checking the pricing done by the Bureaux. This is a departure from the Scottish system, where efficiency of the pricing has been assured by competence of the pricers, so that panel chemists have not found it necessary to establish any system of comprehensive checking; and it is difficult to understand why the necessity should arise in England, especially at a time when economy and restriction of labour to works of necessity are national needs.

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## Spirituos Medicines.

The Commissioners of Customs and Excise have now formulated and issued the conditions upon which rebate of the surtax on immature spirit will be paid in respect to medical preparations which have been made with such spirit. The conditions are printed on p. 52 and p. 62; those who are commercially concerned can obtain forms of rebate from their local officer of Customs and Excise. The conditions are in the main as foreshadowed in a series of four articles printed in the *C. & D.*, May 29 to June 19 of this year, but we may recall that the Finance (No. 2) Act, 1915, Section 2, imposed additional duties of 1s. 6d. per proof gal. on spirits warehoused less than two years, and 1s. on those between two and three years old. Consequently rectified spirit comes under the higher rate (*C. & D.*, May 22, p. 76). Subsection 2 (b) provides for a rebate in the case of (1) spirits used solely in the manufacture or preparation of articles for medical purposes, or (2) spirits used for scientific purposes. The Immature Spirits (Restriction) Act contains a similar provision. The latter Act also provides for the delivery of immature spirits for specified purposes, the only authorised receivers being:

- (1) Licensed rectifiers;
- (2) Manufacturing chemists;
- (3) Manufacturers of perfumes;
- (4) Other persons licensed by the Commissioners of Customs and Excise;
- (5) Chemical and other scientific workers, laboratories, and the like;
- (6) Registered chemists and druggists and limited companies and partners (in Scotland) entitled to carry on business as such.

The memorandum now issued provides for the rebate. The form of application is also available, and is reprinted as an appendix to this note.

The question as to what articles for medical purposes should get the rebate was referred to in our issue of May 29, p. 49, where we took the spirituous preparations of the British Pharmacopœia as a basis. A few days later the question was discussed by Mr. C. A. Hill and Mr. J. C. Umney (as representing the drug-trade), and Sir Arthur Tedder and Mr. W. Gallagher as representing the Customs and Excise (*C. & D.*, June 5, p. 49). In the result the principle was deduced (from the terms of the Acts and by interchange of opinion by the conferees) that:

Perfumes, toilet-articles, flavouring-essences, and flavouring-spirits would not be amenable to rebate. To the last class of excluded articles must in all probability be added tincture of orange, tincture of lemon, and the spirits of anise, cinnamon, lavender, and peppermint, together with any other spirituous preparations which are used sometimes for medical and sometimes for other purposes.

Settlement of this fundamental principle was obviously of the greatest importance to all concerned, and on the Committee stage of the Finance (No. 2)

Bill Mr. Glyn-Jones, M.P., submitted an amendment to the effect that "an advisory body, representing medicine and pharmacy and the Commissioners of Customs and Excise," should determine what are "articles for medical purposes." The Chancellor of the Exchequer (Mr. McKenna) did not consider it wise to put this provision in the measure, but gave his assurance that such a body would be set up (*C. & D.*, June 19, p. 43). This was done in due course, the body consisting of one representative of manufacturing chemists (Mr. C. A. Hill), one of pharmacists (Mr. Edmund White, President of the Pharmaceutical Society of Great Britain), and one

of the medical profession (Dr. C. O. Hawthorne), together with Sir James Dobbie, the Government chemist, and a representative of the Customs and Excise (Mr. Gallagher, Chief Inspector). This body advised the Commissioners, and it will be seen that the definition of "articles for medical purposes" formulated on June 2, quoted in the previous column, has been adopted, viz.:

The Commissioners . . . are not prepared to recognise as articles used for medical purposes articles which, though capable of such use, are used mainly for flavouring or perfuming purposes; under this rule preparations such as spirit of anise, lavender, nutmeg, peppermint, rosemary, etc., or tinctures such as those of cochineal, lemon, orange, etc., will not be recognised as articles used for medical purposes.

On the whole, this method of defining what will be regarded as being outside the rebate is more satisfactory than a list of articles coming inside it, because such a list, or even an inclusive definition, might in practice be inelastic, whereas the definition as worded admits the *ejusdem generis* principle generally followed in Revenue matters. The definition also follows upon the Finance Act, Section 2, as it enables the Commissioners to say once and for all, "*This preparation shall be subject to rebate, and this preparation shall not.*" It may lead to seeming inconsistencies when dealing with classes of preparations which are on the border line, but in practice it should be workable. Thus, a preparation like spirit of juniper or syrup of lemon, being on the negative list, will not be amenable to rebate, even though ordered on a doctor's prescription: on the other hand, a preparation which has been once and for all judged to be eligible, such as a tincture of little therapeutic account, but which is mainly used medicinally, will have rebate allowed whether a particular lot of tincture is actually used for medical purposes or otherwise. There is one matter which, although sufficiently obvious upon slight reflection, may be worthy of mention in regard to the claiming of rebate. As a matter of principle, a spirituous preparation is only to be considered for rebate in respect of the alcohol which is put into it as such. It must be clear that no other course could be followed, and that this is merely a method of stating that the same amount of spirit cannot claim rebate twice over. To illustrate our meaning we take the case of *syrupus cascarae aromaticus*, B.P., which is made from liquid extract of *cascara sagrada*, tincture of orange, 90-per-cent. alcohol, together with cinnamon-water and syrup. The first three items are spirituous, but the syrup, *cascar. aromat.* will only claim rebate in respect of the 90-per-cent. alcohol, as the liquid extract of *cascara* will have already received rebate on its own account in respect of the spirit contained in it. This is the principle adopted and notified in the *C. & D.* in June as to exportation of spirituous medicines under drawback: the export rebate remains at 14s. 9d. per proof gal., because the manufacturer is paid the immature spirit rebate of 1s. 6d. per proof gal. when the article is transferred from the laboratory to the export or home warehouse.

Since the additional duty was imposed in May those who have received spirits have had to pay 16s. 3d. per proof gal. of duty. The eighteenpence part of this will now be refunded to them on application to Customs and Excise officers. In May manufacturers were divided as to what they should do about alteration of the prices of spirituous medicines; some did not alter because they knew that the rebate was certain, and, if so, that they could not legally

**Definition.**

**Restitution.**

demand the increase, or, if they did, that they also must refund the additional duty to the buyers. Those manufacturers (chiefly wholesale druggists) who adopted this course have no reason to regret it, while those firms who have charged advanced prices on account of the additional duty for such articles as spirit, aether, nit., spirit, ammon, aromat., and ether from rectified spirit will have a lot of work to do in sharing out with the purchasers of those articles the rebate that they get.

No. 224.

**DECLARATION as to the Use of Immature Spirits and Application for repayment of the additional duty imposed by the Finance Act, 1915.**

(1) Name in full. I, (1) .....  
 (2) Address. of (2) .....  
 (3) "The Principal," "A Member," being (3) ..... of the firm of  
 "A Director," "Manager," or "Secretary," (4) .....  
 hereby declare that (5) .....  
 gallons of Immature Spirits on which  
 the additional duty at the rate of (6) ..... per proof gallon  
 has been paid to the Crown, were  
 used by (7) .....  
 at .....  
 within the period of ..... months  
 preceding this date (8) in the manu-  
 facture or preparation of articles used  
 for medical purposes, or (9) for sci-  
 entific purposes only.  
 I claim that (10) .....  
 entitled to repayment of the additional  
 duty, amounting to £ : :  
 and I hereby make application for the  
 same (11) .....  
 Dated this ..... day of ..... 191  
 Signed .....  
 Description of business of person,  
 firm or Company .....  
 Postal address .....  
 (12) To be filled in by the Officer with the words "Signed in my presence" or "Signature acknowledged."

(12) To be filled in by the Officer with the words "Signed in my presence" or "Signature acknowledged."

I am satisfied that applicant is entitled to repayment of duty as claimed. ..... Officer of ..... Station.  
 Examined, .....

Dato ..... 191 . Surveyor.

Received this ..... day of ..... 191 , of the  
 Collector of Customs and Excise at ..... the  
 sum of ..... pounds, ..... shillings, and  
 ..... pence, being repayment of the additional duty  
 on ..... gallons of Immature Spirits used for the  
 purposes stated in the foregoing declaration.

### Castor Oil.

THE pressing of castor-seed in Great Britain is by no means a large industry compared with the total production of castor oil, but it has not always been conducted at a profit. At the outbreak of war the effect of the closing of the German market to the British product was immediately felt. Prices were then low at round about 28s. per cwt. for pharmaceutical quality of the British oil, but as time went on, and our usual supplies from Belgium, France, and Italy were cut off, the values steadily rose, thus affording an opportunity for the more profitable working of the British industry. At the present time there is a pronounced scarcity of castor oil of all qualities for prompt delivery, and the price of medicinal oil has risen to about 75s. to 80s. per cwt. Those, however, who can afford to wait have the prospect of buying at cheaper prices by the turn of the year. Formerly a large business

was done in good seconds Calcutta oil, which is suitable for medicinal purposes, but this has been reduced to quite modest proportions since the English makers took a lead in the home markets and the competition proved too keen for the Indian pressers. The trade in Calcutta oil to this country has, however, since the war shown signs of revival. Australia and the Straits Settlements are the chief markets for the Indian oil, over a million gallons having been exported thence from Calcutta in 1913-14. Belgium, France, and Italy in normal times are large producers of castor oil, but all exports from these sources have been prohibited, and these countries doubt if they have sufficient for their own requirements, as they are all dependent on Indian castor-seed, the exports of which from India to all sources show a heavy falling-off owing to the difficulty in securing freights. The figures for 1914-15, compared with 1913-14, are as follows:

	1913-14.	1914-15.
	Tons	Tons
United Kingdom ... ..	55,675	35,284
Germany ... ..	9,761	732
Belgium ... ..	14,822	5,669
France ... ..	20,989	11,884
Italy... ..	11,788	11,203
United States ... ..	20,279	16,083
Other countries ... ..	1,574	2,260
	134,888	82,815

It will be seen from the above table that the exports declined from 134,888 tons to 82,815 tons. The principal importing countries are the United Kingdom, the United States, Italy, France, Belgium, and Germany, but the exports to the last three countries were considerably restricted. The imports into the United Kingdom in 1913-14, it will be seen, were about 40 per cent. under those of the previous year.

## Chemists' Windows.

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.



### A Thermogene Window.

THE above engraving is from a photograph of Hutchin & Son's pharmacy window at Burnham, Somerset. It is an arrangement of the window-dressing materials supplied by the Thermogene Co., Ltd., Hayward's Heath, Sussex. The background and wings are black, and the display is built up on a parquet floor. The centre card rests on a box covered with black cloth. The two showcards at the top centre are hung about 15 in. from the glass and 9 in. from the back with black thread. Behind and above these is a block of six cartons, fastened together and hung by black thread.

## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Associations' Winter Session.

#### ENGLAND.

**Birmingham.**—The Pharmaceutical Committee met on December 10, when it was reported that the Panel Committee contemplate sending out some minor alterations in the formulæ of the Birmingham Health Insurance Pharmacopœia, together with an instruction that on and after January 1 next all formulæ of that work should be dispensed with B.P. 1914 drugs and preparations. About fifteen panel chemists are withdrawing from the panel on December 31, 1915, a large proportion of them having small Insurance dispensing connection, or none. The Secretary (Mr. F. Smith) has received very few responses to his request for particulars of accounts in connection with the 0.8d. establishment-charge.

**Blackburn.**—The Insurance Committee on December 11 incorporated the "additional provisions" paragraph in dispensing chemists' 1916 agreements, and have added the name of Mr. Harry Yates McCarthy, chemist and druggist, 331 Bolton Road, Blackburn, to the dispensing panel. Among other matters dealt with at the meeting was one in respect to the local Pharmacopœia, being a report to the effect that representatives of the Pharmaceutical Committee were unable to agree with a suggestion for omitting flavouring and colouring agents where these are not essential items of the prescription, and proposing that lotions, gargles, etc., be made with plain water instead of rose-water, etc. The suggestion, however, was concurred in by representatives of the Insurance Committee on the Joint Checking Sub-Committee without prejudice to the pharmacists. The other suggestions of the Pharmacopœia Sub-Committee related to substitutes for costly drugs affected by war and various recommendations to insured persons as to the use of medicines. A recommendation from the Pharmaceutical Committee that the account of any panel chemist not presented within ten days after the end of each month be adjourned for payment until the month following, was accepted so as to facilitate earlier payment.

**Derby.**—The Insurance Committee discussed the prescription pricing-scheme on Wednesday, December 15. Derby is included in the north-east central group, the office and staff for which are to be located in Sheffield, and its share of the 1,431l., estimated as the expense next year, is about 100l., compared with the 32l. paid this year under the arrangement by which checking is done locally. Friendly society representatives showed a disposition to resent what they regarded as the autocratic attitude adopted by the Commissioners. Mr. W. Elmitt, the chemists' representative, stated that the Pharmaceutical Society had assisted in formulating the scheme, and, while admitting that the cost would be greater, contended that the estimate was a modest one, and that the risk of the complete failure of the work if done separately by the various Committees was too great to be undertaken. The scheme was accepted. The Committee were informed that the number of chemists on the panel for the ensuing year would be twenty-four, with twenty-eight shops, compared with twenty-six and thirty shops at present.

**Essex.**—Mr. J. H. Matthews presided at a meeting of the Pharmaceutical Committee on December 7, when the Secretary (Mr. C. Goode) reported that thirteen persons had withdrawn from the service—viz., twelve for supply of medicines and appliances, and one for supply of appliances only. Of the chemists, one had a large account, two medium accounts, and one was small. The rest were outside the county area, doing no work. It was decided to take no further action with regard to prescribing of proprietary articles, as the method of procedure had achieved its object. (See Insurance Committee's report below.) The attitude of the Committee upon rep. mist. was reaffirmed, and Mr. Goode was directed to contest the continuance to the utmost extent. It was resolved to ask that pricing for 1916 should be done in duplicate, and "B" forms returned to the chemist. The 1916 arrangements provide that a payment on account shall be made on the 15th of the month following that in which the account is rendered, and the rest on the 15th of the month following previous payment. It was resolved to ask for payment for emergency dressings for use in doctor's surgery at Tariff rate plus 3½ per cent. A number of pricing queries were disposed of. It was decided to ask for payment for tuber-

culous persons' prescriptions upon the old scale. Inquiry in regard to surcharging two medical men is being proceeded with.—At the meeting of the Insurance Committee at River Plate House, Finsbury Circus, E.C., on December 14, payments to panel chemists of 603l. 5s. 2d. for the quarter which ended on September 30 were agreed to, and advances to the Panel and Pharmaceutical Committees not exceeding 200l. were authorised. The Medical Benefit Sub-Committee reported on the arrangements for 1916, and recommended that the repeat-prescription clause should be included, permitting such prescription only in the calendar month in which the original is issued. The Committee added that, owing to amendments and alterations having been made in prescriptions, they had directed that all chemists be reminded that it is not open to any person other than the practitioner concerned to add to or amend any prescription in any way. Mr. C. Goode, on behalf of chemists, opposed the recommendation, explaining that, owing to the use of repeats, persons of the same name had been given the wrong medicine. There are other objections, and he submitted that repeats are only of benefit to the few with immense numbers on their panels. He moved that the recommendation be referred back. Mr. Buxton said that a large number of doctors object to the present arrangement being altered, and on a show of hands ten voted for the amendment and twenty-one against, so that the Committee's recommendation was adopted. The General Purposes Sub-Committee reported that the Commissioners propose to set up a prescription-pricing bureau for Bedford, Cambridge, Essex, Hertford, Huntingdon, Isle of Ely, Lincs (Holland), Lincs (Kesteven), Norfolk, Soke of Peterborough, Suffolk East, Suffolk West, Great Yarmouth, Ipswich, Norwich, Southend-on-Sea, and West Ham. The Sub-Committee, having had too little time to consider this alteration on present conditions, recommended that the Committee do not bind themselves to join the proposed East Anglian group, and that a Committee, consisting of the Chairman of this Committee and the Chairmen of the Standing Committees, with Mr. Annis and Mr. Baldoek, be appointed to a conference of the proposed constituent authorities for the purpose of obtaining details of the work of the proposed scheme. Mr. W. Adams, in moving the adoption of the recommendation, explained in what respects the proposal is unfair. Mr. Buxton seconded. Mr. Goode said that, as the money under the scheme for the pricing of prescriptions would come directly out of the chemists' pockets, it would practically be a levy on their accounts. The report was adopted. The Drug (Joint) Sub-Committee supported the decision of the Pharmaceutical Committee that certain prescriptions dispensed according to private formulæ should not be paid for, as being contrary to the ruling of April 1, 1915. They also recommended that the question of prescribing proprietary articles by practitioners be referred to the Panel and Pharmaceutical Committee, as, in spite of a ruling on the same date, a number of such prescriptions had been dispensed. The Committee reported the number of prescriptions dispensed in the third quarter of this year was 130,270 (173,355 in 1914); amount of claims, 4,140l. 3s. 6d. (5,535l. 12s. 10d. in 1914); average price per prescription, 7.62d. (7.63d. in 1914). Mr. Hunt, in moving the adoption of the report, said that the cost of proprietary articles has been reduced from about 1,000l. in the third quarter of 1914 to 4l. this year. The report was adopted.

**Gloucester.**—The Insurance Committee met on December 13, and after discussing the Commissioners' prescription-pricing scheme instructed the Clerk to report that the Committee will not be prepared to enter into the scheme until it has been established.

**Gloucestershire.**—The Insurance Committee discussed on Saturday, December 11, the prescription-pricing scheme for the South-West of England. The general feeling was that the Commissioners are acting precipitately. Hitherto the method followed in the county has worked well, and the Commissioners' proposals are, it is thought, on a scale of such magnitude as to necessitate very thorough consideration, and it was suggested that the scheme ought to lie on the table for at least three months. Finally, however, it was resolved that it had not been proved that efficiency or economy would be promoted by the proposed change, and the hope was expressed that the Commissioners would not require it to be made without further consideration.

**Hampshire.**—The Pharmaceutical Committee met at Winchester on December 8, Mr. Bartlett presiding. In regard to repeat prescriptions the Panel Committee had resolved, "That where the chemist makes a written application to the doctor the prescription should be re-written in full at the commencement of each calendar month." The meeting declined to accept this, and to press for total

abolition, and decided to send a resolution accordingly to the Secretary of the Insurance Committee and to Mr. Hatley, Chairman of the Insurance Committee and representative on the Checking Bureau at Bristol.

**Lancaster.**—Mr. J. B. Shattock, Secretary of the Lancaster Chemists' Association, informs us that in Lancaster chemists have been paid 87½ per cent. of their accounts. It is in other areas that 70 per cent. has been paid.—A meeting of panel chemists held on Wednesday, December 15, was addressed by members of the Lancashire Pharmaceutical Committee, who appealed to them to reconsider their resignation from the panel. This appeal was so far effective that the local chemists decided to meet again on Thursday, December 16.

**London.**—The Insurance Committee met at Spring Gardens, S.W., on Thursday afternoon, December 16, when a long agenda was presented. The Finance Sub-Committee reported that the Panel and Pharmaceutical Committees had asked for more money for expenses. The Panel Committee received 2,500*l.* in respect to this year, and the Pharmaceutical Committee 2,000*l.* The estimated expenditure and commitments of each Committee exceed the amount calculated to be available for allotment, and the Sub-Committee are in communication with them on the subject. The Drugs and Appliances Sub-Committee recommended in their report that in future statistics as to the number of prescriptions and cost of drugs and appliances would be submitted twice a year only because certain chemists delay in sending in the prescriptions which they have dispensed. The Sub-Committee also recommended that in future monthly advances to persons supplying drugs and appliances should be made on the following conditions:

(1) For prescriptions received not later than the first post on the fourth day of the month succeeding that in which they were issued, payment to be made during the month of receipt.

(2) For prescriptions received after the first post on the fourth, and not later than the last, day of the month succeeding that in which they were issued, payment to be delayed until the month following the month of receipt.

(3) For prescriptions received more than one month after the date of issue no payment to be made in advance.

The Medical Benefit Sub-Committee reported on the arrangements for Medical Benefit in 1916, and suggested certain verbal alterations in Articles 5, 9, and 11 of the Draft Regulations, providing in the case of adjustment between the Drug Fund and Practitioners' Fund that the Commissioners should consult the British Medical Association, and the Pharmaceutical Society, also that in default of agreement between the Insurance Committee and the Panel Committee the matter should be determined by the Commissioners. In regard to the Article providing for the revocation of Article 40 in the old Regulations, it is suggested that twenty-eight instead of fourteen days should be allowed to the Panel Committee to refer to the Commissioners and Insurance Committee's decision regarding surcharging the doctor. In Article 11, dealing with repeat prescriptions, the Sub-Committee suggested that the Pharmaceutical Committee, as well as the Panel Committee, should have a say in the matter. In regard to the signing of prescriptions the Sub-Committee agreed with the Drugs and Appliances Sub-Committee that prescriptions must not be signed with the name of a partnership, and that any panel practitioner's deputy must put the name of the panel practitioner in full and his own initials. In regard to the use of abbreviations by medical practitioners in prescribing, it was resolved that any abbreviation to indicate the formula must refer to the current edition of the British Pharmacopœia, the Pharmaceutical Codex, and the London Insurance Pharmacopœia. Several cases of excessive prescribing by panel practitioners were reported. The Pharmaceutical Committee had complained that a panel practitioner ordered excessively between January 1 and March 31, 1915, but the Panel Committee, after investigating the circumstances, reported that the drugs and appliances ordered were not in excess of what was reasonably necessary. The Sub-Committee reported that this practitioner had 4,657 insured persons on his list and treated 1,506 of them, giving 6,280 prescriptions, of which the individual items numbered 9,214, at a cost of 251*l.* 18*s.*, being an average of 9.62*d.* per prescription, 13.02*d.* per person on the list, and 40.1*d.* per patient. The Sub-Committee advised the Committee to resolve that this constituted an excessive demand upon the Drug Fund, and that 60*l.* should be deducted from the amount payable to the practitioner, and credited to the Drug Fund for 1914. The Medical Service Sub-Committee also reported on several complaints. In one an insured person of sixteen had been treated by a panel doctor who, owing to incomplete information regarding the person's medical card and insurance book, had charged her 6*d.* per consultation. The Sub-Committee recommended that he should be asked to refund 6*s.* 6*d.* to the patient. In another case a panel

practitioner was not willing to accept a patient as an insured person, but was prepared to attend her if she paid him his fees. The Sub-Committee reported that this is irregular, as there is an agreement on the part of the whole of the practitioners on the panel that if an insured person offers himself as a patient it is the duty of the doctor refusing him to send him to another panel practitioner. The report of the Establishment Sub-Committee on the prescription-pricing department, etc., was on a vote of sixteen to six not received. Mr. Woolcock was one of those who doubted its wisdom. A special Committee was appointed to consider the Commissioners' suggestions as to prescription-pricing.

**Oxford.**—Mr. H. C. Goodall (chemist) presided at the meeting of the Insurance Committee on December 3, and explained the new Drug Tariff, stating that Oxford has been so well organised that chemists have been paid in full, and 100*l.* is to be carried to the credit of the current quarter. Mr. Goodall also reported on the conference in regard to prescription-pricing, as to which the Commissioners suggest that Birmingham, Coventry, Warwick and Warwickshire, Leicester and Leicestershire, Rutland, Oxford and Oxfordshire, Buckinghamshire, Berkshire, Reading, Northampton and Northamptonshire should combine. A Sub-Committee of the representatives (on which the only chemist is Mr. Goodall) of these areas had presented a report at Birmingham on December 2, in which it was proved that Oxford had been checking at the lowest cost of any area—viz., 6*s.* 3*d.* per 1,000 prescriptions. The next figure was 10*s.*; there were several at 15*s.*, one at 18*s.*, and one at 23*s.* 9*d.* per 1,000. No decision was come to as to the locale of the checking bureau, but premises at Leicester and at Leamington were being considered, and he hoped that one of these places would be fixed upon. Birmingham claimed the right to have the work carried out there, but the Birmingham representative was the only one out of thirteen who voted for it. Hitherto Oxford's outlay on the work was at the rate of twelve guineas per annum, but between 28*l.* and 33*l.* would be wanted in future. He placed that fact before Mr. Vivian when he had an interview with him, and he said the area that stood out would find the work very difficult. The Committee formally approved of the Chairman's report and of the arrangements for the pricing scheme. The Chairman submitted also several resolutions in regard to agreements, which we epitomise:

(1) Doctors not to write repeat prescriptions.

(2) Prescriptions or orders written between 9 P.M. and 8 A.M. to be marked "urgent" if wanted then, and the chemist to be paid double the ordinary dispensing fees.

(3) Distilled water to be used, and paid for when the prescription contains one or more of the following ingredients: Ammonium carbonate, hydrargyri perchloridum, liquor plumbi subacetatis, potassium bicarbonas, sodium bicarbonas, zinc chloridum, and all eye-lotions. But not with solution or tincture of perchloride of iron, Fowler's solution, tincture of nux vomica or liquor strychnine hydrochloride, except when ordered in concentrated mixtures.

A clause in regard to supplies of dressings to doctors was struck out after discussion, and these others agreed to. An agreement between the Committee and Boots, Ltd., Queen Street, to dispense medicine, was signed and sealed.

**Plymouth.**—Representatives of the Pharmaceutical Committee conferred with a Sub-Committee of the Medical Benefit Committee on December 13, in regard to certain points referred back by the Commissioners. The Clerk to the Insurance Committee at the outset emphasised the fact that there had been no complaints against local panel chemists during the past three years. In the discussion which followed Mr. A. J. Ancliffe (Stoke) submitted reasons for the steps taken by contracting pharmacists in resigning their present contracts. Chief of these was the fact that the trouble began when Devonport, a fully paid area, was amalgamated with Plymouth, a badly discounted one. This was a great injustice, and dissatisfaction resulted. The questions at issue were then considered seriatim, and it was found that the Commissioners had left very little to the local Committee's discretion. Such concessions as were within their power the Committee allowed, and they suggested after all the points were explained that the Pharmaceutical Committee should draft a covering letter setting out alternative proposals to go forward to the Commissioners for their consideration; and consequent upon the information and explanation presented by the deputation, the Chairman of the Insurance Committee expressed the opinion that pharmacists' interests had not been sufficiently safeguarded by their Executive Committee. One of the clauses insisted upon by the deputation was that discretionary power should be given them to deal with prescriptions presented after 8 P.M., and in view of the evidence brought the Insurance Committee considered it was necessary that pharmacists should have the

right within their discretion and granted the request. A meeting of panel pharmacists was held on Wednesday to reconsider the whole matter.

**Preston.**—At a meeting of the Insurance Committee on December 8, Mr. W. L. Holland (the Chairman) reported upon the arrangements with doctors and chemists for 1916, and explained the proposed arrangement for pricing prescriptions, saying that it was certain the new system would cost them more at Preston, where the work had been done by the staff in a very efficient manner and with satisfaction to chemists and doctors. The new scheme had been considered at Preston by authorities from the county boroughs of Lancashire, the Wirral Peninsula, and Stockport. The grouping system was agreed to, but the Lancashire Insurance Committee thought theirs is a big enough unit to carry on its own work, and the remainder of the county seemed to separate into three sections, Manchester and Salford forming one, Liverpool and its satellites another, and areas from Oldham to Blackpool and from Wigan to Barrow comprising a third. The Preston Insurance Committee now decided to join this third group, and the Chairman and Clerk were appointed the Committee's representatives. Dr. Pimblett objected to the Committee having to be at the expense of pricing prescriptions, and, speaking about the new Tariff, said the Commissioners had assured the medical profession that the new Tariff was so advantageous that they would make a tremendous amount of money out of it. The Chairman's comment upon this and other remarks by the doctor was that it seemed to be the peculiarity of doctors that they always talked of superlatives.

**Salford.**—The Panel Committee, in a circular to local practitioners recommending acceptance of the 1916 terms, recall the fact that for 1913 the Salford Drug Fund was only sufficient to pay chemists two-thirds of their bills, but as regards 1914, owing to special arrangements, a balance to the good of over 600*l.* is available for distribution among doctors after paying chemists' bills in full, and it is practically certain that there will also be a fair sum to the good for 1915, which also will be distributed among the doctors. Discontinuance of "Rep. mist." prescriptions is not objected to.

**Sheffield.**—The Pharmaceutical Committee met on December 13, when the Secretary reported, *inter alia*, that practically no offers of accounts to be audited had been made for disproving the 0.8*d.* establishment-charge. It was decided to sign a protest to the Commissioners as to the 1916 terms for dispensing, also to appoint the Pharmaceutical Society as agents for the Committee to check the pricing of prescriptions and to pay  $\frac{1}{2}$ *d.* per insured person towards the cost of the Central Bureau in London. A letter was read from the Insurance Clerk giving the contents of a letter received from the Commissioners, which said that as no action had been taken on the lines suggested by Mr. Masterman for the checking of prescriptions, no grant could be made from the Special Drug Fund in respect of discounted accounts for 1914, but they would be prepared to reconsider the matter in the event of a definite undertaking being forthcoming that the Pharmaceutical Committee will take the action open to them under the regulations. The Secretary produced to the meeting a report on the action already taken, which showed that the Committee, immediately after Mr. Masterman's statement, adopted the principle of joint checking, and on various occasions have pressed for the system to be put into action, but have been retarded by the refusal of the Panel Committee. It was decided to draw the Insurance Committee's attention to the correspondence on the matter, and to submit the facts to the Commissioners. A discussion took place on the payment of members of the Committee for their attendance, and it was agreed that in the application for administrative expenses should be included the payment to members of the Committee at the rate of 2*s.* per hour, with one hour allowed for travelling. It was decided to meet in future at 8.30 p.m. in place of 9 p.m. It was agreed to fall in with the adoption of the B.D.H. drug-list in conjunction with the new Tariff, as suggested by South York and Derbyshire Committees.

**Smethwick.**—It was reported at the meeting of the Insurance Committee on December 7 that the whole of the practitioners on the panel have accepted service for 1916, while only one chemist has given notice of his desire to terminate his agreement, and in this case the establishment is outside the town. The pricing scheme was also reported on (see Staffordshire, *C. & D.*, December 11, p. 45), and it was stated that the Provisional Committee for the area would report next day.

**Sussex (East).**—Supplementing last week's report of the Insurance Committee meeting on December 7, we note that Newhaven chemists who have declined dispensing service for 1916 were paid 11,033*l.* for it last year.

**Sussex (West).**—The Insurance Committee on December 10 received from Mr. S. Bastow, Hon. Secretary to the West Sussex Pharmacists' Association, a letter stating that the 1916 Tariff would be accepted, subject to the "additional provisions" clause being inserted. This was agreed to, subject to the Commissioners' approval. Mr. J. D. Cossey, 77 North Street, Chichester, notified that he wished his name removed from the chemists' panel at the end of this year. It was agreed that the hours for dispensing in 1916 be as follows: For October to March, 9 a.m. to 7 p.m.; April to September, 9 a.m. to 7.30 p.m.; and on Sundays and public holidays the chemists' usual business-hours; "urgent" dispensing-fees to be allowed after the above hours, also that a copying-fee of 1*d.* per prescription be allowed where a duplicate prescription is not supplied. The list of The British Drug Houses, Ltd., was adopted under Paragraph 12 of the Tariff. It was agreed to join the pricing bureau, the centre being Middlesex (*C. & D.*, December 11, p. 44). Representatives of the West Sussex Pharmacists' Association attended, and expressed agreement with the above recommendations as to the new Tariff.

**Yorkshire.**—The West Riding Pharmaceutical Committee met at Wakefield on December 7. In considering the 1916 Tariff conditions, late fees for dispensing after business-hours were discussed, and it was decided that such fees would lead to disputes and difficulties and tend to extend the already long hours of business. Headquarters' suggestions as to emergency dressings and how to disprove that an establishment-charge of 0.8*d.* is adequate were also considered, and it was agreed to appeal to chemists in the West Riding to supply the necessary data for the latter purpose. The Pharmaceutical Committee earnestly hope that West Riding chemists will endeavour to supply the information. All communications will be in the strictest confidence. Arrangements are being made for the effective checking of prescriptions priced under the new system, the Pharmaceutical Society's offer to act as agents for this Committee being accepted.

## SCOTLAND.

### The Chemists Win.

A deputation from the Scottish Association of Insurance Committees, including Mr. Joseph Johnston, representing the West of Scotland, and accompanied by Mr. J. Rutherford Hill, visited London last week (December 9 and 10) in regard to the crisis which has arisen over the dispensing question in Scotland. After informal discussions with local members of Parliament, they had an interview with Mr. Charles Roberts, M.P., at the offices of the National Health Insurance Commission at Wellington House, Buckingham Gate. It is understood that a settlement was suggested by the deputation on the lines that the present arrangements should remain in operation for another year, and that in the meantime further negotiation should take place.

Supplementary to the foregoing from our Parliamentary representative our Edinburgh correspondent reports that the deputation consisted of Mr. R. A. McEwan (Chairman of the Executive of the Scottish Association of Insurance Committees), Mr. W. M. Marshall (Secretary), Mr. J. Johnston (Chairman of the Renfrewshire Insurance Committee), Provost Anderson (Chairman of the Fifeshire Insurance Committee), along with Mr. Duncan (Secretary of the Fifeshire Insurance Committee), and accompanied by Mr. Thomas Guthrie (Chairman of the Pharmaceutical Standing Committee, Scotland) and Mr. Rutherford Hill. A Conference took place at Buckingham Gate between Mr. Roberts, M.P., and the representatives of the Scottish Association on Thursday, December 9. Mr. Roberts having suggested a slight amendment on the original terms of the proposal submitted by the Scottish Association of Insurance Committees, these were communicated to the Chairman and



"The Comptroller of his Majesty's Household and Mr. Rutherford Hill have crossed swords, the claymore having the better of it so far" (*C. & D.*, December 4). The artist depicts Mr. Hill after he disarmed his opponent on December 10.

Secretary of the Pharmaceutical Standing Committee and accepted by them. Another Conference was held on the morning of Friday, December 10, between Mr. Roberts and the combined deputations. At this Conference a unanimous agreement was arrived at in the following terms:

(1) The existing agreements with chemists to be renewed for 1916, on the understanding that there will be no alteration during that year of terms and conditions, other than the monthly adjustment of prices of drugs affected by the abnormal conditions now prevailing; provided that the war clause set up in I.C.201 (Scotland), as explained in the body of that circular, shall be operative during the last six months of 1916.

(2) The Pharmaceutical Standing Committee (Scotland) to undertake by August 31, 1916, to furnish to the Scottish Insurance Commissioners a report on their objections to the new proposals embodying evidence on the points as to which they are at issue with the recommendations of the Departmental Committee. Thus Mr. Roberts now accepts the offer originally made on behalf of panel chemists in Scotland. The Scottish Insurance Commissioners have issued instructions to Insurance Committees recommending acceptance of cancellation of withdrawal notices and continuation of existing agreements for 1916. The Pharmaceutical Standing Committee has issued a letter to each panel chemist saying that, thanks to their loyal support and the splendid solidarity of Scottish panel chemists, an eminently satisfactory result has been achieved. The Committee recommend panel chemists to intimate immediately to their Insurance Committee that they now desire to cancel their notice of withdrawal and agree to continue service under the *status quo* for 1916.

"WHA DAUR MEDDLE WI' ME?"

(*Vemo me impune lacessit.*)

It may be a' very weel for the Sooth,  
But it never wad dae for us;  
For we're never feared tae tell the truth  
Tae them a'—whatsoe'er the fuss.

So we'll gang oor ain gait ainee mair,  
And we'll stick it for guid or for ill;  
But, man, Roberts' hert maun be sair,  
For he kent na oor Rutherford Hill.

**Berwickshire.**—At a meeting of the county panel chemists at Duns on December 2, it was unanimously resolved to decline Mr. Roberts's terms for service, but to continue on 1915 conditions.

**Dundee.**—At a meeting of the Insurance Committee on December 8, the Medical Benefit Sub-Committee recommended that the Panel Committee should stop "repeat" prescriptions on and after January 1. Dr. Charles S. Young moved as an amendment that the Commissioners be informed that the practice of writing "repeat" prescriptions be discontinued, but that those bearing the stamp of the Central Pricing Bureau should be accorded exceptional treatment. The amendment was duly seconded, Dr. Young having made it clear that the proposed concession might be withdrawn after the war. Dr. Cochrane Buist supported the amendment, and the matter was fully discussed. Mr. J. H. Thomson, chemist, stating that the chemists of Dundee would be prepared to support the proposal through the period of the war. On a vote the amendment was carried by twenty votes to seven. The Clerk reported on the condition of matters for pharmaceutical service, and it was decided to renew the contracts with chemists on the basis of the contracts for the current year.

**Glasgow.**—At a meeting of the Burgh Insurance Committee on December 8, the dispute between Mr. Charles Roberts, M.P., and panel chemists in Scotland was discussed.

**Stirlingshire.**—The Insurance Committee decided on December 9 to endeavour to get panel chemists to continue service on 1915 terms, as "the position of chemists is altogether reasonable."

#### WALES.

**Carmarthenshire.**—The attention of the Carmarthenshire Insurance Committee has been called by a panel chemist to the fact that hundreds of munition-workers at Barry Port are from other parts of the country, and have not handed over their Insurance cards. In the county chemists are not paid in full, but if these workmen were made to hand in their cards to the doctors there would be sufficient funds to meet their needs. The Committee agreed to ask the Commissioners to send down an inspector to investigate the matter. The Committee accepted a tender of 12*l.* 12*s.* for pricing and checking 18,000 prescriptions.

**Monmouthshire.**—At a meeting of panel doctors in the county on November 12, it was resolved, *inter alia* (the "B.M.J." reports), "That we, the members of the medical

profession on the panel for the county of Monmouth, being desirous of keeping the drug account within the 2*s.* per head for the year 1915, are giving medicines at our surgeries to insured persons at our own expense, and we ask the Government to amend the Insurance Acts so that panel practitioners may be allowed the dispensing-fee for those insured persons who desire to have their medicines direct from their own medical advisers." [These members of the medical profession, by giving medicine to insured persons, break their contracts with the Insurance Committee, and deprive the insured persons and panel chemists of their rights under the Acts.—EDITOR C. & D.]

#### Notes.

**SUGGESTED INQUIRY.**—Dr. Alfred Cox, Medical Secretary of the British Medical Association, has addressed a letter to the Prime Minister and to Mr. Charles Roberts, Chairman of the National Health Insurance Joint Committee, in regard to the suggestion by the Council of Approved Societies that a Parliamentary inquiry into the working of the Insurance Act and its various Commissions should be instituted, with a view to more economical working. Dr. Cox says that for the proper conduct of such an investigation it would be necessary to secure suitable medical representatives to serve on the Inquiry Committee, and at the present juncture in national affairs, when so many members of the profession are on military service, that would not be possible. Therefore he asks that no encouragement should be given to the suggestion at present. [The medical method will be noted. Members of Parliament are, as a rule, alone necessary for Parliamentary inquiries, but here Mr. Asquith is told that medical men also are necessary in this case! This assumption of medical superiority is bad for panel chemists.—EDITOR C. & D.]

**PROVISIONAL REGULATIONS.**—The following were agreed to by the Joint Committee and the Commissioners on November 15, and came into force on that date:

1. These Regulations may be cited as the National Health Insurance (Medical Benefit) Regulations (No. 2), 1915, and shall be read as one with the National Health Insurance (Medical Benefit) Regulations, 1914, which are hereinafter referred to as the "principal Regulations."

2. The principal Regulations (which modify as respects the year 1915 the provisions of Articles 16, 17, 18, and 19 of the National Health Insurance (Medical Benefit) Regulations (England), 1913) shall continue in operation during, and shall have effect as respects, the year 1916.

The articles specified refer to (16) revision of terms of service of practitioners, (17) admission to and withdrawal from panel, (18) revision of Drug Tariff, and (19) admission to and withdrawal from lists of persons supplying drugs or appliances.—The Scottish Insurance Commissioners have made new Medical Benefit Regulations affecting the same articles in so far as regards provision being entered in the agreements so stop repeat prescriptions.

#### Wills.

THE LATE FRANCIS DODD, herbalist, 70 Preston New Road, Blackburn, Lancs, left estate valued at 2,885*l.* gross, with net personalty 1,372*l.* 10*s.*

THE LATE DAVID JENKINS EYNON, retired chemist, 67 Willes Road, Leamington, Warwick, left estate of the gross value of 7,442*l.* 5*s.* 6*d.*, of which 5,806*l.* 4*s.* 2*d.* is net personalty.

#### Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

##### Saturday, December 18.

Northampton Polytechnic Institute, St. John Street, Clerkenwell, London, E.C., at 3 P.M. Annual prize distribution and organ recital.

##### Sunday, December 19.

Pharmacists' Volunteer Training Corps, Millbank School, Erasmus Street, Westminster, 10 A.M. Company parade for squad drill, followed by drill and lecture. There will be no lectures on Wednesday or Thursday.

**PERSIAN SEEDS.**—Some 500 cwt. of cummin-seed (zireh) and 40 cwt. anise (zinian) are produced yearly in the province of Isfahan, Persia, chiefly in the Lenjan district. About 10 per cent. is exported to India; the remainder goes to Shiraz, Kashan, Teheran, and other places, chiefly in Northern Persia, or is consumed locally.

## Associations' Winter Session.

Other meetings are reported under Insurance Dispensing Reports.

**Chemical Society.**—At a meeting on Thursday, December 2, the first paper read was by Mr. P. Blackman on a "Comparative Method for Determining Vapour Densities." The method described was not by any means accurate and was of little interest. The catalytic bleaching of palm oil was discussed by Mr. S. G. Sastoy, and it was shown that by blowing air for from three to five hours through palm oil containing 0.01 per cent. of cobalt borate at a temperature of about 80° C. complete bleaching results. Other catalysts have been tried, and it was found that the oxides of cobalt, manganese, iron, and lead were effective, but the best results are obtained with the borates of cobalt and manganese. There is no difficulty in removing the metallic salts, as they separate out completely on standing. A paper was also read by Mr. A. Bramley on the "Study of Viscosities of Binary Mixtures."

**Grimsby.**—A meeting of the Grimsby Pharmacists' Association was held on December 4, Mr. C. Dewing (President) in the chair. Correspondence was read on various matters dealing with Insurance dispensing, and recommendations were made to the Pharmaceutical Committee (1) that a late fee of 6d. be recognised for prescriptions marked "urgent"; (2) that distilled water be used in cases where incompatibility would occur; (3) that an allowance of 1s. per hundred insured persons be made to each medical man for emergency dressings; (4) "repeat" mixtures to be regulated; (5) that responsibility for payment of articles ordered by doctors not to rest on the pharmacist; (6) that no chemist is able to furnish accounts to show the inadequacy of the proposed establishment-fee of 0.8d.; (7) that hours of attendance on Sundays and Bank Holidays be from 5 to 6 P.M.

**Leeds.**—As briefly announced last week (*C. & D.*, December 11, p. 43), a lecture on the Proprietary Articles Trade Association was given at Leeds on December 8, Mr. G. W. Overend (President) in the chair. Mr. S. N. Piekard, after dealing with the foundation of the P.A.T.A., said it was always the endeavour to arrange that the wholesaler should get a 10-per-cent. profit on an article, and the retailers as much as could be managed, according to circumstances. Many articles had been rejected by the list because the profit for the retailer was not deemed reasonably sufficient. Whatever the face-value of the article, the aim of the Council is to get the retailer a profit of 20 to 25 per cent. Chemists should be sure that new articles introduced to them are protected before they handle them. Some chemists are too ready to assist the advertising schemes of manufacturers by giving counter and window displays which happen to be unusually attractive, without any regard as to whether or not the article itself is paying the chemist. Mr. Piekard said that the new stamp-duties have resulted in a rather better profit for the chemists on the new prices. He concluded by referring to the valuable work of the Chemists' Defence Association, and urged chemists, as they valued their fire-insurance, to insure against the risks of the many Acts of Parliament under which they worked by becoming members of the C.D.A. Mr. Edward McMillan gave details of the methods employed by the P.A.T.A. in gaining its ends, and in coming out victorious in a long series of hard fights against price-cutters. Mr. J. H. Beacock proposed a vote of confidence in the P.A.T.A., which was seconded by Mr. F. Pilkington Sargeant and carried unanimously.

**Liverpool.**—A meeting of the Liverpool Chemists' Association was held on Wednesday, December 8. A crowded meeting was presided over by Mr. H. Humphreys Jones, F.C.S. (President). Messrs. Gledhill, Harriman, jun., Manson, and Naylor were elected members of the Association. The President then referred to the loss sustained by the Association in the death of Mr. A. S. Buck. He said that Mr. Buck had been one of the main pillars of the Association for a long period, having occupied practically every official position excepting the Treasurership. He moved that a letter of condolence be sent to Miss Buck. The President also referred to the loss Mr. G. R. Tharratt had suffered in the death of his son, Lieutenant Tharratt, who went down with the hospital ship *Anglia*. He moved that a letter of sympathy be also sent to Mr. Tharratt. The President then called upon Mr. W. J. Uglov Woolcock, Secretary of the Pharmaceutical Society, to address the meeting. Mr. Woolcock commenced by saying that the Liverpool Association had not assisted in the shaping of pharmaceutical politics in connection with the National Insurance Act to the extent he would have expected. He

then said that the three years' experimental work was now over. At the time when the Act came into force many pharmacists had joined the panel in order to give the Act a fair trial, others from a sense of duty. The great change brought about due to the incidence of the Act had not proved to be the death of pharmacy, neither had it realised expectations which some people had of it. It had not proved to be the promised land which pharmacists have long been waiting to enter. The gains due to the Act far outweighed the disadvantages. Mr. Woolcock then referred briefly to the 1913 Tariff and to the improved 1914 Tariff which was 20 per cent. better than its predecessor. Unfortunately discounting became prevalent at this time in many areas, and it took the Society twelve months before they could get anything done. As a consequence of the action taken 60,000l. had been distributed among chemists who had no legal claim to it. Mr. Woolcock then referred to the direct result of the National Insurance Act in bringing out the latent strength which pharmacists as a class possess. "We raised a body of men, most capable public men in this country, and if we had made no profit during the last three years the opportunity the Act gave to chemists in this direction was worth it," exclaimed Mr. Woolcock. Before the Departmental Committee there appeared four ordinary pharmacists to give evidence, men for the most part unaccustomed to public work, but they produced a great impression on the members of the Committee. The advantages of the new Tariff are: (1) The abolition of the discounting clause; (2) prompt and more equitable payment. The price that these advantages cost came to about 12½ per cent. A discussion followed in which Messrs. Ashcroft, Clubb, Prysor-Jones, Hirst, Evans, Wallbridge, W. A. Wynn (Birkenhead), John H. Robinson, and Dr. Symes took part. Mr. T. E. Lloyd (Garston) moved a vote of thanks, Mr. H. Wyatt seconded, and it was carried unanimously.

**London Co.**—A meeting of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on December 14, Mr. A. H. Jenkin (Vice-President) in the chair. The question of the current retail prices of malt and malt extract and cod-liver oil was considered, and the Organisation Sub-Committee was instructed to deal with the matter forthwith so that the minimum retail prices may be regulated on a uniform basis throughout the county. With regard to the establishment of a standard for malt extract and cod-liver oil, the matter was referred to the District Associations in order to obtain local medical opinion for report later to the Executive Committee. Other matters regarding Insurance dispensing were referred to the Pharmaceutical Committee.

**London (E.).**—A meeting of the East London Pharmacists' Association was held at Limehouse on December 9, Mr. A. R. Keith (President) in the chair. Attention was given to the question of establishing definite dates for payment of N.H.I. accounts, and the meeting confirmed the arrangements explained by Mr. G. A. Tocher (*C. & D.*, December 11, p. 44). Approval was given to a letter from the Liverpool Chemists' Association, urging increased support of the Proprietary Articles Trade Association. A ready response was given to Mr. Skinner's appeal for shilling donations to the Benevolent Fund. The Chairman reported that the East London resolution regarding the price of malt and cod-liver oil had been duly discussed by the London County Executive, and that steps had been taken which would enable retailers to obtain a reasonable profit despite the increased wholesale price. Mr. Hatfield gave a synopsis of recent proceedings of the Pharmaceutical Service Sub-Committee (of the London Insurance Committee).

**Manchester.**—A meeting of the Manchester Pharmaceutical Association was held in the headquarters, 65 Market Street, on December 8, when Mr. L. Moreton Parry, member of the Council of the Pharmaceutical Society, delivered an address entitled *The Campaign of Pharmacy: Progress*. The President (Mr. W. H. Delye), in introducing the lecturer, dealt with the position of pharmacists and their assistants under Lord Derby's recruiting-scheme and to the question of dispensing for the dependants of sailors and soldiers. Mr. Blain explained that books are now only being issued to the really necessitous cases. Mr. Joseph Bell spoke of the continued use of old and out-of-date books, and said it was the duty of the doctor to see that these old books are not used. Mr. W. Kirkby made a statement regarding the final meeting of the Committee in connection with the Worsley Hall Red Cross dispensary scheme, and announced that the balance of 8l. had been handed over to the East Lancashire branch of the British Red Cross Society. Mr. W. Kirkby and Mr. Jas. Grier were thanked for their services in connection with the Worsley Hall dispensary scheme. Mr. Parry then delivered his address, and afterwards received a vote of thanks.

**Newcastle-upon-Tyne.**—A meeting of the Newcastle-upon-Tyne Pharmacists' Association was held on December 9, the President (Mr. H. W. Noble) in the chair. Mr. W. Pescod gave a lantern-lecture on his experiences in the United States and Canada, in which countries he toured just before the outbreak of the European War. The lecturer's slides, mostly from his own negatives, illustrated the characteristics of many of the larger American and Canadian cities, such as Boston, New York, Washington, Toronto, Montreal, and Quebec. Mr. Pescod sketched the conditions of pharmacy in these and other cities, and described the American "store" system in detail. Three new members were elected.

**Nottingham.**—A meeting of the Nottingham Pharmaceutical Association was held at the Flying Horse Hotel on December 8. The Vice-President (Mr. C. E. Reynolds) was in the chair. There was a large attendance. The subject for discussion was the Proprietary Articles Trade Association, and the meeting was addressed by Mr. C. J. G. Bunker, of the P.A.T.A. Council, and Mr. MacDonald, of the P.A.T.A. staff. The meeting passed a resolution supporting the P.A.T.A., and it was decided that a personal canvass of non-members be undertaken.

**West Ham.**—A meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held on December 9 at Earlham Hall, Forest Gate, E., for discussing the work of the Proprietary Articles Trade Association. Messrs. W. Edwards, Atkinson, and MacDonald were present to assist in the discussion. Mr. Atkinson pointed out that the average profit on the selling price of protected articles is 26 per cent., on the buying price 36 per cent., and some manufacturers had promised an improvement on these terms after the war. Mr. Edwards said that all new articles before they are placed on the list have to bear a profit of 10 per cent. to the wholesaler and 20 per cent. to the retailer. Mr. MacDonald also spoke. A vote of thanks was given to the speakers. The balance-sheet of the whist-drive held in November was presented, and the sum of five guineas was voted to the local Red Cross Fund.

## Trade-marks Applied for.

(From the "Trade-marks Journal," December 8, 1915.)

- "ELECTRO BRAND," with device of circle and electric sparks; for chloride of lime (2). By Electro Bleach and By-Products, Ltd., 32 Victoria Street, S.W. 368,482. (Associated.)
- "ARSENOBILLON"; for all goods (3). By Société Anonyme les Etablissements Poulenc Frères, 92 Rue Vieille du Temple, Paris. 368,758. (Associated.)
- "VIRPINOL"; for medicinal chemicals (3). By Leach Chemical Co., 20 East Ninth Street, Cincinnati, U.S.A. 368,910.
- "WILVER"; for medicinal chemicals (3). By Will Vernon & Sons, 57 North Road, Preston. 369,578.
- "ERGOSAN"; for medicated capsules (3). By G. Stern, 6 Darnley Road, Hackney, N.E. 369,748.
- Oval device of girl holding torch; for medicines (3). By H. B. Pryor, 40 High Holborn, W.C. 369,813.
- "GONOREX"; for medicinal chemicals (3). By Menley & James, Ltd., Farringdon Road, E.C. 369,870.
- "HALOCLONE," for medicines (3); "COLNICE" and "LAVANDICE," for toilet-articles (48). By the Standard Tablet and Pill Co., Ltd., Hove. 370,030, 369,981, 370,012.
- "PYRATE" and "BIO-NEURATE"; for medicinal chemicals (3). By M. F. Pratt, 212 Great Portland Street, W. 370,129, 370,131. (Associated.)
- "NUCLARGENT" and "QUINAGUSTOL"; for medicinal chemicals (3). By Herm. Madoery, Leonhardstrasse 24, Basle. 370,254/5.
- "RUBALO"; for all goods (11). By F. Hastings, 345 Goswell Road, E.C. 369,416.
- "HASFILTER"; for filter-papers (39). By H. Allnutt & Son, Church Street, Tovil, Maidstone. 369,145.
- "PIXIE"; for food-substances (42). By the Watford Manufacturing Co., Ltd., Watford. 369,561.
- "VANEX"; for alcoholic essences (43). By Stevenson & Howell, Ltd., Southwark Street, S.E. 370,199.
- "CONSOL" and "BANJO" (with picture of same), for goods (47); "FRIENDLY" and device with word "KEYSTONE," for perfumery, etc. (48). By G. W. Goodwin & Son, Ordsall Lane Soapworks, Manchester. 369,123, 369,334/133/137. (Associated.)
- "BRYMAY"; for goods (47). By Bryant & May, Ltd., Bow, E. 370,016.

## Australasian News.

"The Chemist and Druggist" is supplied weekly to all the members of eight Chemists' Societies in Australia and New Zealand.

### The Commonwealth.

**SANATOGEN TRADE-MARK.**—An application was made on October 19 to the Registrar of Trade-marks for the suspension or avoidance of the Sanatogen trade-mark in favour of the Bacchus Marsh Concentrated Milk Co. The application was opposed, and an adjournment was granted until November 26, in order to allow the Sanatogen Co. to produce evidence from England which had not reached them in time for the hearing.

**ENEMY FIRMS.**—The Trading with the Enemy Act forbids enemy firms from trading in the Commonwealth, and by a Proclamation of July 7 the Attorney-General has been given power to declare as enemy firms certain firms not included in the terms of the Act. These declarations are required to be advertised in the "Gazette." Under this Proclamation the firm of Julius Blau & Sons, which was recently stated to have attempted to import "4711" eau de Cologne from the United States, has been declared to be an enemy company (see C. & D., October 30, p. 56).

**MANUFACTURE OF VACCINES.**—The Minister of Customs announced on October 21 that a Government laboratory for the manufacture of vaccines, serums, and antitoxins is to be established. The buildings required can be obtained, it is stated, for about 12,000*l.*; the cost of equipping the institute would not be more than 2,000*l.*; salaries would not exceed 1,400*l.* or 1,500*l.* a year; working-expenses, say, 500*l.*; and interest, at 5 per cent., 750*l.* The total annual disbursements would be under 3,000*l.* In 1913 the importations of vaccines, serums, and antitoxins into Australia were valued at 15,300*l.* The factory will probably be established at Canberra.

**PROHIBITIONS.**—The Minister of Customs proposes to prohibit the importation into Australia, for the exploitation of credulous people, of a number of quack remedies. These include pills to cure melancholy, "vigour troubles," a magneto corset, eye-cream (which would cost 3*d.*, and for which 8*s.* 4*d.* was asked), hypo-magnetic vibrant for the development of memory, continuity of thought and magnetic control, a radio-active pad for toothache, sciatica, etc.—The Postmaster-General notifies through the "Postal Gazette" that postal articles addressed to the Appliance Co., 811-813 Walnut Street, Kansas City, O., U.S.A., and the American College of Mecanotherapy, 81 Rendall Street, Chicago, Ill., U.S.A., will not be transmitted or delivered by the Postal Department.

**REXALL TRADE-MARK.**—The Commonwealth Law Officer (Mr. G. Castles) in Sydney, heard on October 11, 12, and 13, an appeal by the Laxo-Tonic Pill Co., Sydney, registered owners of the trade-mark "Rexona," against the decision of the Registrar of Trade-marks allowing the respondents, Connellan, Ltd., of Brisbane, to proceed with the registration of the trade-mark "Rexall." Among the points raised by the appellants were that the respondents had not continuously used the word "Rexall" as their trade-mark from a date anterior to the user by the appellants of the word "Rexona" as their trade-mark; that the respondents had not concurrently with the appellants used the word "Rexall" as their trade-mark; that there are no special circumstances qualifying the Registrar in proceeding with the registration of the word "Rexall"; and that the respondents are not the proprietors of the trade-mark which they applied to have registered. The decision was reserved.

**ENEMY PRODUCTS.**—The Australian newspapers have been requested not to allow advertisements of enemy products to appear in the Press. To get round this prohibition the Sanatogen Co. sent out circulars by post. The Federal Attorney-General on October 19 announced that he had asked the Postmaster-General to take what steps were necessary to prevent the Post Office being used for the purpose of circulating advertisements of Sanatogen and other drugs on the prohibited list, whether by circular or otherwise. An Order had been prepared, he said, which gave the Minister of Customs authority to prohibit the import of any goods owned by enemy subjects or enemy companies—an enemy company for this purpose being a company either owned or controlled or under the influence of enemy subjects—or goods of enemy origin, or bearing an enemy trade-mark. The terms of the Order had not been finally settled, but it was expected that they would be ready for the next meeting of the Federal Executive Council.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., December 16, 6.30 p.m.

**A**LTHOUGH business is slackening off with the wane of the year there is a firm undertone in the chemical and drug markets. A substantial advance in bromides by the English makers is one of the features of the week, but very limited quantities only can be had; second-hands also follow the advance. Acetanilide and amidopyrin are higher, the salicylates are unchanged, but acetylsalicylic acid is the turn easier. Menthol and Japanese dementholised mint oils are firmer for forward shipment. Persian opium has been in fair demand at an advance of 1s. to 1s. 6d.; Tinnevely senna from dealers' hands continues to bring higher rates, and asafetida has realised better prices; castorum met with a poor demand at auction and prices were lower. The principal changes are as under:

Higher	Firmer	Easier	Lower
Acetanilide	Asafetida	Acetyl-salicylic acid	Castorum
Amidopyrin	Lemon oil (c.i.f.)		Cloves
Ammonia sulphate	Menthol	Coconut oil	Palm oil
Bromides	Mint oil (Jap.)	Lime juice	
Cottonseed oil	Morphine	Lime oil	
Eucalyptus oil	Orange oil		
Linseed oil			
Opium (Persian)			
Rape oil			

ACETANILIDE is dearer at from 6s. 9d. to 7s. per lb.

ACETIC ACID.—Glacial appears to be obtainable in infinitesimal quantities only, but arrivals are close at hand: the value of 80-per-cent. commercial is about 95s. per cwt.

ACETIC ANHYDRIDE is still commanding fancy prices, but we understand the manufacture is to be undertaken in this country, when a decline may be expected.

ACETONE is quoted at from 165s. to 170s. per cwt. in drums.

ALBUMEN.—At a Naval Prize auction, held on December 10, 229 cases egg albumen sold without reserve, with all faults, at from 2s. 11d. to 3s. for good hen, 2s. 4d. for powdery and dark, 2s. 1d. for reddish, and 2s. 6d. to 2s. 7d. for good duck. Privately the price of prime white Chinese hen is from 3s. 3d. to 3s. 6d. per lb.

ALCOHOL.—In spirit circles discussion is taking place as to what is to be the amount of the advance in rectified spirit at the end of the month. Considering the large Government requirements and the existing shortage, it is anticipated that a substantial advance must be looked for. The same remarks apply to methylated spirit, and at the present time methylators have had to refuse orders at current rates, so that should the advance take place the higher rates will apply to orders previously received, as is the case with the supply of spirit by distillers.

ALOES.—The exports from the Union of South Africa during September 1915 amounted to 47,435 lb., valued at 258l., against 70,091 lb., valued at 437l., in September 1914. During the nine months ended September 30 the exports were 388,233 lb. (2,935l.) against 708,863 lb. (7,484l.) for the corresponding period of 1914.

AMIDOPYRIN is very scarce and dearer at from 85s. to 90s. per lb.

AMMONIA SULPHATE.—London is dearer at 16l. to 16l. 10s. per ton, net, naked, at works, for 25-per-cent. ammonia for prompt delivery; Hull prompt, 24-per-cent., is 17l. to 17l. 2s. 6d.; Liverpool is 17l. 5s. to 17l. 7s. 6d., and Leith is 17l. 5s. to 17l. 7s. 6d. per ton in bags f.o.b., less 3½ per cent.

ANTIPYRIN.—Sales are reported at from 72s. 6d. to 75s. per lb.

ASAFETIDA.—There having been no arrivals from the Persian Gulf for about fifteen months, the spot stocks have been gradually dwindling, and buyers have had to turn their attention to qualities they formerly passed over, and higher prices have been paid, including from 75s. to 80s. per cwt. for medium brown.

ATROPINE.—The nominal price for sulphate is about 120s. per oz., but there are no stocks in existence. Belladonna-root is extremely scarce and unobtainable on spot; \$1.75 is quoted in New York.

BENZOATES are firm, benzoic acid offering at 13s. and benzoate of soda at 14s. per lb.

BERGAMOT OIL.—A Sicilian report, dated December 4, reports an increased demand and a slight advance in price for prompt goods, while it may still be possible to buy new crop at slightly lower prices for delivery from January. Agents in London quote from 11s. 6d. to 12s. 6d. c.i.f.

BROMIDES.—The makers whose previous list prices had been withdrawn have now fixed the quotation for potassium at 25s., ammonium at 22s., and sodium at 18s. per lb. net, at which rates they sell to their regular customers only in very limited quantities. Second-hand holders are not anxious sellers, and the sales from that source include potassium at 21s. 6d. to 23s. Ammon. is very scarce at 22s. to 23s., and soda about 18s. The advance is due to the fact that the American makers are unable to offer.

BUCHU.—The exports from the Union of South Africa during September 1915 were nil, against 109 lb. (24l.) during September 1914. During the nine months ended September 30, 1915, the exports were 125,871 lb. (19,468l.), against 141,234 lb. (26,497l.) for the corresponding period of 1914.

CANARY-SEED.—Spanish is offered at from 100s. to 110s. per 464 lb. ex store Liverpool.

CASHEW-NUTS.—At auction 154 cases Bombay sold without reserve on account of whom it may concern at from 37s. to 46s. for slightly sea-damaged, and at from 32s. to 35s. 6d. for slightly wormy.

CASSIA OIL.—The spot value of 80 to 85 per cent. c.a. is 4s. 3d., and December-January shipment 3s. 9d. c.i.f.

CASTORUM.—At the annual auction of the Hudson's Bay Co. (abandoned in 1914), held on Wednesday, December 15, about 806 lb. castorum was offered, of which about 295 lb. sold publicly. There was the usual attendance of buyers, but as few orders had been received from the Continent competition was poor, and prices met with an irregular decline compared with those paid at the 1913 auction. Firsts were about 7s. to 20s. lower, seconds 2s. to 7s., thirds 7s. to 8s., pickings, etc., 1s. to 2s. lower. The quality offered was up to the usual standard and mostly in dry condition. The prices paid were as follows, the figures in brackets being those for 1913: Y.F. good dry bold firsts (14½ lb.), 80s. [101s.]; good dry seconds (28 lb.), 65s. [72s. to 76s.]; good dry thirds, a few skinny (90 lb.), 40s. to 41s. [47s. to 48s.]. Canada, mostly dry pickings (64 lb.), 29s. to 30s. [31s.]. N.W. fine dry bold firsts (15 lb.), 85s. [91s. to 92s.]; medium to bold fine dry seconds (34 lb.), 68s. [70s.]. Y.F., etc., cuttings (49 lb.), 14s. per lb. A bid of 50s. is to be submitted for fair dry Canada seconds, being 5s. under the limit. At the conclusion of the Hudson's Bay sale, Goad, Rigg & Co. offered 1,432 lb. Oregon castorum, but only the pickings and a few thirds (together about 250 lb.) sold at a considerable decline, from 9s. to 12s. per lb. being paid; 19 lb. 5 oz. of seconds with a few firsts sold at 40s., 4 lb. 6 oz. dry seconds with a few thirds at 40s., 17 lb. 5 oz. thirds with a few seconds at 35s., 7 lb. 2 oz. dry thirds at 31s., and 41 lb. 8 oz. pickings with a few thirds at 21s. to 25s. per lb. Further sales were afterwards made privately.

CINCHONA.—At the tender held at Amsterdam on December 9 the equivalent of 67,572 kilos. quinine sulphate were taken up by the makers at the average unit of 6.20c. per half-kilo., being unchanged. At the auction of pharmaceutical bark held at Amsterdam on December 10, the equivalent of 2,610 kilos. quinine sulphate offered, of which 1,092 kilos. sold. The prices paid for the bark ranged from 14½c. to 63½c. per half-kilo.

COD-LIVER OIL.—Our Bergen correspondent writes on December 6 that the quotation for prime non-congealing medicinal oil is still from 335s. to 345s. per barrel c.i.f. London, with a very limited business.

EUCALYPTUS OIL has been in fair demand, with spot sales, including 70 to 75 per cent., at 1s. 7d. net, with 1s. 9d. to 2s. asked in several directions.

GENTIAN.—There still appears to be no whole root available, and for cut about 65s. is asked.

GUM ACACIA.—The value of good hard Sudan sorts is from 65s. to 70s. and soft white 85s. to 90s. per cwt. on the spot.

**LEMON OIL.**—New crop to arrive has a generally firmer tendency at from 3s. 7d. up to 4s. 5d. per lb. c.i.f.; spot price is from 3s. 9d. to 4s.

A Sicilian advice, dated December 4, states that the spot market is almost unchanged, there being but few transactions. The carry-over to the new season will this year be somewhat larger than usual. The firmness of our market for new crop and the reservedness of sellers continues. Producers are still reluctant to take engagements for forward deliveries at present prices, while buyers seem to be more insistent. Pressings are about to commence generally in all producing centres, and as this year there are fewer contracts for delivery during the next two or three months, the future development of the market will chiefly depend on the demand from abroad and what blank commitments local exporters may have to cover. Increased rate of exchange counterbalances momentarily the slight advance which has to be reported.

**LIME-JUICE.**—The larger supplies on offer appear to have overtaken the demand, and the prices are easier, good bright Jamaica being quoted at from 2s. 6d. to 2s. 9d. per gal.

**LYCOPodium.**—Cables have been received from Russia definitely stopping exportation unless under permit; some near at hand treble sifted is offered at 5s. per lb.

**MENTHOL** is firmer, the sales including Suzuki for February-March shipment at 12s. c.i.f., and dementholised Japanese mint oil at 4s. c.i.f.

**MORPHINE.**—For near and up to March delivery makers are again fully booked and not anxious for further business, there being a large export inquiry. The shortage of labour has also to be considered.

**OILS (FIXED).**—*Linseed* is 2s. 3d. higher at 36s. in pipes and 37s. in barrels on spot. *Cottonseed* is 2s. 6d. dearer at 38s. 9d. for crude in pipes on spot, refined in pipes being quoted 40s., and sweet refined in barrels at from 43s. to 45s. *Coconut* is easier at 49s. for Ceylon in pipes and 51s. in hogsheds; *Cochin* is cheaper at 50s. to 51s. on spot; *London pressed* is easier at 42s. 9d. *Rape* is dearer at 42s. 9d. for ordinary brown crude, naked, and at 45s. for British refined in barrels. *Soya* is firm at 32s. 6d. for Manchurian in cases in London; *Hull (spot)* extracted is 33s. *Lagos Palm* on spot is easier at 39s. 6d., and in Liverpool 33s. 9d. is quoted for January-February shipment. *Ground nut* oil is 45s. to 50s. per cwt.; *lard* oil, 50s. to 64s.; *seal*, 31l. to 41l. per tun; *whale*, 29l. to 36l.; *bright sperm*, 39l. to 40l.; *cod*, 24l. to 34l.; *olive*, 50l. to 55l. 10s.; and *wood* oil, 34l. to 35l.; all per tun.

**OPIMUM.**—Interest has centred in Persian this week, the spot value of which has risen from about 1s. to 1s. 6d. per lb. on the week, sales including 10-per-cent. at up to 22s. 6d. and buyers also 11-per-cent. at 24s. Turkey is also a strong market at from 33s. to 36s. per lb.; business is, however, quite retail in the absence of adequate stocks and the tenacity of holders.

**ORANGE OIL.**—A Sicilian advice dated December 4 states that a brisk demand which has set in during the last fortnight (more locally than from consuming places, where buyers wish still to pay old prices) has caused a noticeable advance in prices. The position remains very firm, and for prompt shipment 7s. 6d. c.i.f. London is quoted.

**PHENACETIN** is offered rather more freely at 57s. 6d. per lb.; some ask more.

**POTASH SULPHOGUAIACOLATE.**—Sales have been made at 32s. 6d. per lb.

**QUILLAIA** remains firm at from 38l. to 39l. per ton ex store Liverpool.

**SALICYLATES** remain firm, salicylic acid being offered at about 20s. per lb., and sodium salicylate at from 21s. to 22s.

**SENNA.**—About 630 bales of Tinnevely leaf have arrived, but they will probably await the next drug-auction after the turn of the year. Meanwhile, second-hand holders continue to ask higher prices all round, the asking prices of good bold green leaf being about 10d., medium 7½d., and common 5d. per lb.

**SQUILL.**—Good white are offered at about 44s. per cwt.

**TERPENTINE.**—American closes dearer at 46s. 4½d. per cwt. on spot.

**WORMSEED.**—A parcel of genuine Turkestan monopoly wormseed has arrived in London, the price being about 6s. per kilo.

### Heavy Chemicals.

Manchester, December 14.

Business has been again far from active during the week, the high railway rates and higher asking-prices continuing to hamper transactions. Bleaching powder is nominally quoted at from 14l. to 14l. 10s. per ton, and white caustic

soda is scarce at 16l. to 16l. 10s. for 76 to 77 per cent., 15l. 10s. to 16l. for 70 to 72 per cent., and 14l. to 15l. 10s. for 60 to 62 per cent. per ton, on rails, at works. Soda-crystals are about 60s. per ton, on rails, in 2-cwt. bags. Ammonia alkali is in good demand. Bichromate of soda is higher at 1s. per lb. Borax in better inquiry at 25l. per ton. Alum is in good request at the higher rates—say, 9l. 10s. per ton for lump and 10l. to 10l. 10s. per ton for ground. Murate of ammonia is quiet at 26l. per ton. Cream of tartar and acids are unchanged. Lead-products are firmer, and supplies difficult to obtain, white acetate ranging from 65l. to 66l. per ton, on rails. Sulphate of copper rather favours sellers at 45l. 12s. 6d. to 45l. 17s. 6d. per ton, delivered Manchester. White powdered arsenic is quiet at 30l. to 31l. per ton. Sulphate of ammonia is strong at 16l. 15s. to 17l. 2s. 6d. per ton, on rails, Manchester.

### Continental Drug and Chemical Markets.

The following notes chiefly refer to the Hamburg and Berlin markets under dates of November 20 and 27:

**ALBUMEN** is firm at m.145 per kilo.

**BALSAM TOLU** is somewhat firmer at m.6.50 to m.6.75 per kilo.

**CASCARA SAGRADA.**—There are still offers at m.165 per 100 kilos, in Hamburg.

**CEVADILLA** is slightly higher in consequence of increased demand at from m.1.70 to m.1.75 per kilo.

**CITRIC ACID** is dearer at m.10 per kilo, for lead-free crystals.

**FILTER-PAPER** has advanced by 25 per cent. on account of the high prices of raw material and the lack of skilled labour.

**GENTIAN** is becoming alarmingly scarce. The stocks are almost cleared and nothing can be imported. Whole is quoted at from m.130 to m.135, cut at from m.160 to m.165, and coarse powder at from m.145 to m.150.

**IPECACUANHA** has been sold in rather large quantities at from m.40 to m.42 per kilo, for Rio, and from m.38 to m.39 per kilo, for Cartagena.

**JALAP.**—The better sorts have been inquired for, but extremely high prices are asked. Ordinary druggists' has been offered in vain in large quantities at from m.130 to m.180 per 100 kilos.

**KOLA** is quoted at from m.110 to m.115 for African quarters, and at from m.120 to m.125 per 100 kilos, for West Indian halves.

**LEAD (WHITE)** with oil has been advanced by the Syndicate by m.9 to m.125.50 per 100 kilos, on account of the high prices and the scarcity of linseed oil. Pure white-lead (powdered) is quoted at m.86.50 per 100 kilos.

**LYCOPodium** is very active, and prices have advanced to m.720 per 100 kilos, in barrels and m.735 per 100 kilos, in cases.

**MENTHOL.**—Up to m.53 has been paid by speculators.

**OILS (ESSENTIAL).**—*Star-anise* meets with more interest, and is not obtainable under m.15. *Cassia* is still quoted at from m.9 to m.10, according to c.a. content. For *Clove* m.20 must be paid now. *Eucalyptus* (globulus) is to be had at m.6.75 with business done. Ceylon *Lemongrass* is offered at m.6.50. *Java* is quoted at m.11. *Lime oil* is offered in large quantities at m.17. *Clove* has a tendency to become firmer, but it is still to be had at m.10. Japanese *Mint oil* has advanced to m.22. As American peppermint oil is higher than it has been during the few last weeks it is expected that Japanese will also advance. H.G.H. is quoted at m.30. Paraguayan *Petitgrain* has advanced to m.30. Siberian *Pine-needle* is still obtainable in small quantities at m.4.25.

**OPIMUM** has been imported in large quantities. Most probably the existing stocks in Germany are rather large, for there is little demand. Prices are about from m.37 to m.38 per kilo, for 10 per cent., and from m.42 to m.45 for 11 to 12 per cent.

**OTTO OF ROSE.**—The nominal value of genuine Bulgarian is about m.1,500 per kilo, in Constantinople.

**PARAFFIN** is slightly firmer again, and is quoted at m.250 per 100 kilos, for m.p. 50° to 52° C.

**ROSIN** remains firm; mixed with 5 per cent. of lime it is offered at m.225 per 100 kilos.

**SENEGA.**—The demand is increasing, and from m.675 to m.700 per 100 kilos, has been paid.

**SHELLAC.**—Business has been dull this week. TN is still quoted at from m.260 to m.265 per 100 kilos.

**TAMARINDS** are offered at from m.175 to m.180 from newly imported parcels.

**TARTARIC ACID** remains very firm with an active demand. Crystals are quoted at from m.700 to m.750 and powdered m.750.

**THYMOL** remains quoted at m.80 per kilo.

**VANILLIN.**—Second-hands offer at m.95 to m.98 per kilo., being dearer, with business doing.

**WAX (VEGETABLE).**—Fatty grey *Carnauba* is offered at from m.600 to m.660; the demand for *Japanese* has increased; it is quoted at m.290.

**WAXES.**—*Bees'* is offered in small quantities only and business is very dull. Smyrna, Californian, Cuban, Domingo, Bissao, Morocco, and Benguela waxes are unobtainable. Chilian is quoted at from m.420 to m.425; Brazilian at from m.420 to b.425; Madagascar at from m.410 to m.415; and East African at from m.417 to m.420.

**WORMSEED** is slightly firmer; monopoly quality is quoted at m.475 per 100 kilos.

### Arrivals of Chemicals, Drugs, etc.

During the period December 8 to 14, inclusive, the following produce has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

#### To London.

Acetic acid (R'dam) blns. 92  
Acetone (Philadel.) dms. 199  
Alcohol, wood (Philadel.) dms. 20  
Aloes (Mossel Bay) cs. 25  
Alum (Boston) bgs. 624  
Ammon. phosph. (Boston) brls. 104  
Arachis oil (R'dam) cks. 400  
Arrowroot (St. Vincent) brls. 855  
Arsenic (N.Y.) kgs. 120, (Paris) cks. 9  
Barium hydrate (N.Y.) brls. 15  
Bromides (Boston) cs. 244  
Calcium carbide (Sarnsberg) dms. 533, (C. Vecchia) tons 175, (Go'burg) dms. 4,050  
Calcium citrate (Demerara) bgs. 31  
Calumba (B'bay) 11  
Cananga oil (Batavia) cs. 25  
Caraway-seed (Holland) 275  
Cardamoms (B'bay) 8, (Ceylon) 88  
Carmine (Paris) cs. 4  
Casein (La. Pallice) bgs. 455, (B'bay) 200, (Paris, etc.) 278, (Wellington) sks. 105  
Cashew-nuts (B'bay, etc.) cs. 420  
Cellulose acetate (Treport) cks. 30  
Chamomiles (Paris) bls. 21  
"Chemicals, perfumery, medicines, etc." (N.Y.) pkgs. 409  
Cinchona (Amst.) pkgs. 131  
Cinnamon (Ceylon) bls. 250  
Citronella oil (Batavia) dms. 18, (Galle) dms. 31  
Cloves (B'bay) bls. 138  
Cochineal (L. Palmas) 64  
Cocon-butter (Amst.) bls. 150  
Coconut oil (Galle) cs. 287, (Cochin) pkgs. 308  
Cod oil (Bergen) brls. 50  
Copra (Sydney) tons 146, bls. 3,286  
Cyanamide (Odda) bgs. 4,700  
Divi-divi (Madras) bgs. 97  
Drugs (B'bay) pkgs. 22, (Boston) cs. 15, bxs. 50, (M'bourne) dms. 30  
Drugs and perfumery (Dieppe) pkgs. 112  
Dye stuffs (Boston) bxs. 64  
Essential oils (N.Y.) cs. 70  
Farina (Amst.) bgs. 100  
Fruit-essences (R'dam) cs. 12  
Fusel oil (Vladivostok) cks. 182  
Gelatin (Paris, etc.) pkgs. 51, cs. 16  
Glucose (N.Y.) 25  
Gum anacia (B'bay) 64  
Gum damar (Batavia) cs. 100  
Gum olibanum (B'bay) cs. 130  
Honey (Frisco) cs. 200  
Indigo (B'bay) cs. 11, (Madras) cs. 114  
Lemongrass oil (Cochin) pkgs. 20  
Lime-juice (Trinidad) pkgs. 28, (Dominica) pkgs. 1,029  
Lime-juice cordial (Dominica) hds. 14  
Lime oil (Dominica) cs. 93; hand pressed cs. 5  
Lithopone (N.Y.) brls. 210, (R'dam) 286  
Magnesite (Madras) bgs. 855, (R'dam) 250

Maize starch (Amst.) cs. 640  
Mineral waters (France) cs. 600  
Olive oil (Bordeaux) cs. 12  
Palma rosa oil (B'bay) pots 10  
Pepper (Batavia) bgs. 165, (Ceylon) 40  
Peppermint oil (N.Y.) cs. 20  
Perfumery (Amst.) cs. 5, (Boulogne) cs. 12  
Petrolatum (N.Y.) brls. 95  
Petroleum emul. (Boston) bxs. 2,118,  $\frac{1}{2}$  brls. 8  
Potash chlor. (E. London) kgs. 40  
Potato-starch (Kobe) bgs. 1,120  
Quinine (Amst.) cs. 30  
Roots, barks, etc. (Paris) pkgs. 29  
Sandalwood (Calicut) bds. 350  
Senna (Tuticorin) bls. 629  
Soya-bean oil (Kobe) cs. 1,000  
Tragacanth (Beshire) pkgs. 15  
Wax, bees' (B'bay) bds. 4, (M'scilles) 54, (Genoa) 11, (Delagoa Bay) 10  
Zinc oxide (U.S.A.) 1,160, (R'dam) 456

#### To Liverpool.

Acetic acid (N.Y.) brls. 272  
Antimony ore (M'bourne) bgs. 2,729, (B. Ayres) 2,041, (Chile) bgs. 14,731  
Arsenic (Melbourne) cks. 118  
Balsams (Marangham) bls. 12  
Bismuth ore (Chile) sks. 2,176, (Sydney) cks. 7  
Boric acid (N.Y.) cs. 250  
Castor oil (Calcutta) cs. 100  
Chemical products (N.Y.) pkgs. 225  
Chillies (Zanzibar) bgs. 62  
Cloves (Zanzibar) bls. 6,151  
Coca-leaves (Mollendo) bls. 26  
Cochineal (L. Palmas) 82  
Coconut oil (Sydney) cks. 16  
Copra (W.C. Africa) bgs. 148, (Sydney) bgs. 994  
Drugs (Havre) cs. 101, (N.Y.) cs. 200  
Formaldehyde (N.Y.) brls. 62  
Glucose (N.Y.) brls. 120  
Gum copal (Lisbon) 181  
Gums, undescribed (P. Sudan) bgs. 20, (Ceara) 151, (Marangham) 20, (W.C. Africa) brls. 12, bgs. 39, (A'dria) bgs. 65  
Iodine (Chile) brls. 302, pkgs. 123  
Kieselguhr (M'bourne) bgs. 320  
Linseed (R. Plate) bgs. 8,222  
Milk-powder (N.Y.) bxs. 448  
Mineral waters (Havre) cs. 321  
Olive oil (B'deaux) cs. 16  
Orchella-weed (Lisbon) 160  
Palm-kernels (Havre) bgs. 300, (W.C. Africa) bgs. 134,801, tons 628, (Lisbon, etc.) bgs. 1,460  
Palm oil (W.C. Africa) cks. 4,211  
Pepper (W.C. Africa) bgs. 215  
Perfumery (Havre) cs. 57  
Quebracho ext. (B. Ayres) bgs. 20,095  
Quicksilver (B'lona) bott. 40  
Quillaia (Chile) bls. 136  
Roots (Marangham) pkgs. 16  
Rosin (Bordeaux) cks. 1,189  
Shea-nuts (W.C. Africa) bgs. 1,766

Soda chlorate (B'lona) brls. 9  
Soda nitrate (Chile) bgs. 27,946  
Soda perborate (N.Y.) brls. 92  
Soda phosphate (N.Y.) bgs. 27  
Wax, bees' (W.C. Africa) 13, (Lisbon) 579  
Wax, carnauba (Ceara, Parana-hyba, etc.) pkgs. 1,982

#### To Manchester.

Aniline dyes (M'scilles) cks. 25; colours, cks. 64; ochre, cks. 56  
Antimony salts (Rouen) cks. 10  
Calcium phosphate (Boston) brls. 60  
Indigo (A'dria) brls. 501  
Lead acetate (Rouen) cks. 17  
Linseed (Rosario) bgs. 18,553  
Potashes (M'treal) bds. 6  
Soap (Valencia) cs. 190  
Soda perborate (Havre) 20

**To Bristol.**—Calcium carbide (Norway) dms. 1,300; cream of tartar (B'deaux) cks. 68; glucose (N.Y.) 3,030; lime-juice (Jamaica) pns. 21, ck. 1; linseed (B'Ayres) bgs. 19,760; mineral waters (Havre) cs. 350; rosin (B'deaux) 400; zinc oxide (N.Y.) 400. *To Folkestone.*—Chemical products (Boulogne) pkgs. 4; perfumed spirits (France) cs. 9; perfumery (Boulogne) pkgs. 3. *To Grimsby.*—Ammon. nitrate (Skien) cks. 160; colours (Dieppe) pkgs. 458; naphthol (Dieppe) cks. 27; soda nitrite (Skien) cks. 160.

### Kapok Oil.

The Journal of the Royal Society of Arts calls attention to the use of kapok oil in Marseilles for soapmaking. Kapok-seed is not separately classified among imports, but according to local brokers it has averaged about 1,500 tons (mostly from India) during the last five years. The seed is treated in two mills, both of which are chiefly devoted to the crushing of other seeds. According to a report by the U.S. Consul-General at Marseilles only one pressing is the rule, although in some cases hot water is poured over the residue, which is then pressed again. The oil is then filtered, but it requires neither bleaching, deodorising, nor any other treatment. In the Marseilles mills the average yield in oil from this seed is about 15 per cent. The price of the oil follows closely that of industrial peanut oil. It takes about 16½ lb. of kopak to make a gallon of oil.

### Seychelles Vanilla.

In the course of the annual Colonial report on the trade of the Seychelles for 1914 it is stated that the quantity of vanilla exported during the year amounted to about 10 tons, being the seventh crop in succession since 1907 that has been below the average of previous years. This is a heavy blow to the vanilla-planters, especially the small mortie-system planters, who have given up planting vanilla in many localities and replaced it by the culture of the banana, which is less profitable, but gives a more regular crop. The owners of large estates, on the other hand, have taken up vanilla-cultivation on a larger scale since the succession of wetter seasons, and nearly all the previous plantations, which had been destroyed by seven years of drought, have been replanted. The new plantations look promising, and a larger crop is anxiously awaited. It is added that the price and demand have gone very flat in consequence of the war.

### "Paraguayan Tea."

Herva maté, or "Paraguayan tea," is the third most important article of export from Brazil, the shipments in 1913 being 65,331 tons, valued at 2,348,138*l.* Most of the maté comes from the State of Parana, where it grows wild and in great abundance. It is also found in the States of Mato Grosso, Rio Grande do Sul, Santa Catharina, and Sao Paulo. A kilo, costs from 7*d.* to 9*d.* The consumption is becoming increasingly popular in Europe and the United States. It is not only a cheap substitute for tea, but it also possesses excellent medicinal properties, and is looked upon as a harmless stimulant. Before the war a Belgian firm ordered from Parana 3,000 kilos. with the undertaking to purchase 10,000 kilos. yearly should it find a market in Belgium. A serious propaganda has been carried on in Europe and the United States for some time past. The Sud-Amerikanische Handels Gesellschaft, of Frankfurt, is reported to have signed a monopoly contract on May 12, 1914, with a syndicate of maté producers in the State of Parana. The syndicate granted to the company the exclusive monopoly of the sale of their exports for the United Kingdom and all European countries, with their Colonies, for a period of five years, which, by a later contract, was extended to ten years.

**CHINESE WOOD OIL.**—During 1914 2,006 tons, valued at 43,000*l.*, was exported from Wuchow.



### Immature Spirits Rebate.

SIR,—In continuation of their letter of August 19 last, I am directed by the Board of Customs and Excise to enclose for your information a copy of a memorandum relative to the repayment of additional duty under Section 2 (b) of the Finance Act, 1915.

I am, Sir, your obedient servant,  
Customs House, December 9, 1915. J. G. BYRNE.  
The Editor, THE CHEMIST AND DRUGGIST,  
42 Cannon Street, E.C.

### IMMATURE SPIRITS (RESTRICTION) ACT, 1915.

Repayment of Additional Duty under Section 2 (b) of the Finance (No. 2) Act, 1915.

The Commissioners of Customs and Excise are prepared to consider applications for repayment of any additional duty paid upon immature spirit used—

- (a) solely in the manufacture or preparation of articles recognised by them as being used for medical purposes; or
- (b) for scientific purposes.

Applications must be made through the local officials on the official form, copies of which may be obtained from any officer of Customs and Excise. An applicant must be prepared to prove—

- (1) that he has received and used the spirit for a purpose or purposes justifying a claim;
- (2) that the additional duty claimed has been paid;
- (3) that the articles in the preparation or manufacture of which the spirit has been used are such as are, or can be, recognised by the Commissioners as being used for medical purposes.

In order to afford proof of the above, applicant should be in a position to produce to the officer of Customs and Excise all Customs and Excise permits or certificates received with the spirits, together with accounts which applicant shall have kept showing the date of receipt of the spirit and the proof quantity received, and the date of use with the actual purpose to which the spirit has been applied—i.e., in the case of the preparation of articles for medical purposes the name and, if practicable, the quantity of the article prepared.

It should be understood that the Commissioners, under the powers conferred upon them by the Act, are not prepared to recognise as articles used for medical purposes articles which, though capable of such use, are used mainly for flavouring or perfuming purposes; under this rule preparations such as spirit of anise, lavender, nutmeg, peppermint, rosemary, etc., or tinctures such as those of cochineal, lemon, orange, etc., will not be recognised as articles used for medical purposes.

### An Explanation.

SIR,—Mr. Arthur Berton has sent me a copy of your paper of the 11th inst. and referred me to the report of a case in this court, "Arthur Berton, Ltd. v. Priestley." The report is worded in such a way as to make it appear that I said Mr. Arthur Berton was a German, whereas I did not say so at all. I am sorry if the report should have given any cause for annoyance to Mr. Berton.—Yours faithfully,

ERNEST E. WICKHAM,  
Registrar, Shoreditch County Court.

### Ipecacuanha.

SIR,—Supplementing the statements which you have already published on this subject, may I say that the first European who is believed to have brought this drug into use was an apothecary of Brazil, by name Michael Tristaon? The account of the drug in "Purchas's Pilgrimes" appears to have been directly derived from a book written by Tristaon. Piso and Marggrave (Margraf) appear to have followed a Latin pamphlet of De Laet, which again was derived from Tristaon's original account of the drug.

Yours faithfully,

ERNEST J. PARRY.

### "Sanitas Oil" and Oxypinene.

SIR,—The note on so-called oxypinene referred to in THE CHEMIST AND DRUGGIST of December 11, p. 53, has come under my attention, and it may not be out of place for me to remark that the substance indicated by the name of "oxypinene" is nothing but the active principle of "sanitas oil"; that is to say, it is identical with the substance which I have termed "camphoric peroxide," which, reacting upon water, gives rise to the formation of peroxide

of hydrogen and a number of terpene-derivatives. Any students who are interested in the subject will find in my various contributions\* to the chemistry of the oxidation of terpenes full information respecting the subject, and it will be seen, among other things, that when turpentine is oxidised by either air, oxygen, or ozone the products are identical.

Yours faithfully,

C. T. KINGZETT, F.I.C., F.C.S.

### Reminder and Hint as to Retailing British Goods.

SIR,—We are being constantly adjured by the Government and the economists to refrain from letting money leave the country, and I believe that most members of the public earnestly desire to avoid buying goods from abroad. But more often than not they are ignorant of the origin of what they are buying and have to rely on the good sense and patriotism of the retailer to guide them. The other day I asked in a well-known pharmacy in Kensington for an English brand of shaving-soap. Two American brands were immediately pushed at me with much persuasive eloquence as to their superiority. Had I not happened to know the origin of these brands I should certainly have bought one of them. Precisely the same thing happened on the same day when I asked for a British-made safety-razor, but in that case I actually had one palmed off on me as British which I afterwards found to be American. Could not an appeal be made to the patriotism of salesmen, at any rate in the world of pharmacy, to do their best to guide and help their customers in this respect, and in no case to sell foreign goods unless actually demanded?—Yours faithfully,

GEOFFREY E. HOWARD.

### Injustice of Cost Prices in the Drug Tariff.

SIR,—In your issue of December 11 Mr. Philip, of Herne Bay, draws attention to a defect in the 1916 Insurance Drug Tariff, which I have been surprised has not been made the subject of agitation from the commencement. Mr. Philip writes:

"The new Tariff is presumably net cost in London, no consideration being shown for country chemists, who in some instances have carriage to add to cost, and in all cases the cost of packing empties and carriage thereon adds to list costs, but no allowance is made."

It is well known in the trade that wholesale drug-lists mainly fall into one of two categories:

A. Those lists the terms of which are net quarterly.

B. Those lists which are subject to 5 per cent. discount for quarterly accounts.

Those who are responsible for the Tariff have selected a typical list from the first group. The Tariff in theory is based upon the "net cost" of drugs to the chemist, but in practice this "net cost" is not correct, because to arrive at true cost the following factors should be reckoned with:

1. Some proportion of inward carriage on goods has to be paid by all country chemists, no matter how careful they are in making up their regular orders to the usual "carriage paid" limit.
2. Outward carriage in most cases on returned empties, and occasional loss by breakage in glass and stoneware returns.
3. Unpacking, checking, breaking bulk, and placing goods in stock receptacles.
4. Cost of packing returns.
5. Occasional loss through natural deterioration of some drugs; occasional breakages in stock.
6. There is a loss on some packages, such as tins, which are often charged for and "non-returnable," or only credited in part on return.

The 5 per cent. trade discount referred to above could be held fairly well to cover these expenses, which are all incidental to a correct cost. Direct factors in a cost must not be confounded with ordinary "establishment-expenses." At present the so-called "net cost" is not a true cost, and the chemist is in this respect unfairly prejudiced. This position could be put right at once by a typical "subject" wholesale list in Group B being taken as the standard. I venture to suggest to Chemists' Associations throughout the country that this is a practical point that they should press home as an alteration to be made at the earliest possible date.

Yours faithfully,

ALPHA. (E18/75.)

### To be Forewarned is to be Forearmed.

SIR,—Such was the heading of my letter in the C. & D., June 26, p. 87, in which I stated that the Insurance Act was in the melting-pot, and that the terms under consideration were a fixed dispensing-fee, drugs at cost, and the doctors to be surcharged. On this last point I believe

\* "Journ. Chem. Soc.," 1874, p. 511; *ibid.*, 1875, p. 210; "Chem. News," vol. 37, p. 138; *ibid.*, vol. 34, pp. 127, 135; *ibid.*, vol. 39, p. 279; "Chem. Soc. Trans.," 1894.

the doctors have again scored, and rightly so. I then strongly advocated nothing under a fourpenny fee being accepted. If I, as an outsider, obtained this information, one certainly would expect the insiders to have been acquainted with the facts at the same date as I was. No doubt they were. Why did they not, on such an important point, immediately call a mass meeting of chemists, or learn through the local Associations the consensus of opinion, and not leave it for the decision of a conference of delegates held so late in the year? No doubt they knew what they were doing, but the result is the Insurance Commissioners won as easily as if they had said, "We will toss you for it; heads, we win; tails, you lose." I would advocate every chemist to follow the example of the Welsh miners: down tools on December 31, and not sacrifice our rights to the Pharmaceutical Committee as to how or by whom the price of our labour shall be decided, but let it be decided by a disinterested and independent party. Did Mr. Lloyd George tell the Welsh miners what their establishment-charges were? Certainly not; it was a question of price for labour. So it is with the chemist. We are no longer traders with the Insurance Commissioners, as we make no profit on goods supplied. It is purely a question of price for labour, and we can earn ten times as much per hour by handing over the counter Dr. Scott's pills. I would advocate to abolish establishment-charge, accept nothing under a fourpenny fee, and lint, wool, etc., as 1913 Tariff. Mr. Jackson's new name for the Insurance Act, "The Golden Fleece," is most appropriate, from the House of Commons down to the man who swallows the physic.

59 Camberwell New Road.

GEORGE CROCKER.

#### The Insurance Dispensing Problem.

SIR.—Two or three points occur to me in regard to Insurance dispensing, or the work which we do for the State. I have a general notion from reading the lay Press that our side of the question is not looked at with much sympathy. The doctor calls the tune, the inspectors and Committees look on and criticise, and the chemist is left to play and take what remuneration he can get, inasmuch that his reasonable and fair charges are liable to discount. Only a writer of the style of G. K. Chesterton could do full justice to the absurd position. I fancy the notion still prevails that chemists make most enormous and preposterous profits. Are we drifting towards State dispensaries? I am inclined to think so, but for a very serious and practical objection. Dispensaries under the aegis of the State would require to be numerous, and they would be costly. People, even panel patients, would not take kindly to the idea of one or two general dispensaries in our big towns and cities where they would have to wait hours perhaps for their physic—the rare and refreshing fruit of Mr. Lloyd George. There is a complaint that the Pharmaceutical Society has not carried out a contract in regard to certain so-called dispensers, ex-army and other. The war may have a great deal to do with this, but the real reason I do not remember to have seen stated, in the lay Press anyway. If a pharmacist does not consider a man sufficiently educated and trained to work in his own dispensing department he is not likely to engage him for the purpose of Insurance work. In the pharmacies this work and private work are done by the same man or the same staff, and only the slightest difference will be made between the private customer and the panel. But what of the Army dispenser *post bellum*? Many will be qualified men, and all will be more or less affected by their war experience. Some of our friends will be coming home crippled and maimed. I hope we shall not see them made an advertisement of by the multiple-shop people. I have heard that one big firm made an offer two years ago to take over the whole of the Insurance dispensing, and they would be just as likely to take over all the discharged Army dispensers as an advertisement. I am old enough to remember that certain arts and crafts forty or fifty years ago appeared to be stocked with men who had suffered in some way—not exactly cripples, but not so robust and stalwart as men should be. If, as is probable, we have any such, I, for one, hope the State will find work for them in our own profession, dispensing for the insured, paid by the State, and subject to no man's vagaries. Now the question is, Could pharmacy stand this in addition to store competition? I do not see why not, though in the immediate matter of dispensing I do not think so much is to be feared from the stores, etc., as many chemists suppose.—Yours, etc.,

SEXAGENARIAN. (E142/15.)

#### What Next?

SIR.—Do I read aright that such heresies have been whispered in the Council-room as trade (small "t," please, at present), yet see no report that the paintings around that sacred chamber have not been stirred to indignation? The few times it has been my privilege to see that chamber

have filled me with awe and veneration for the sacred charter; and trade—perish the thought! It is also true, Sir, that when out of the presence of those venerable gods the awesome feeling has diminished, and I have thought of opportunity lost. For that very reason I beg of you to encourage those young bloods, whosoever they be, for their temerity and their success in overcoming that awesome feeling of the Sacred Chamber (capitals, please). If the tradition of the Council be still held in veneration, surely there are sufficient extinguishers to put out the wildest scheme and conflagration these young bloods may next attempt. More power to them is my wish, and may an old Parliamentary hand like yourself try to lead them into more staid ways, not with mild sarcasm, but the benefit of solid experience. From one who does not quite know how to subscribe himself, so leaves it to you. (E 150/96.)

### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

#### Compliments of the Season.

A Lancashire Subscriber (123/2) writes: "The amount of information presented in the *C. & D.* for 12s. 6d. is amazing."

In renewing my subscription to the *C. & D.* for another year, I can assure you that I would not be without it, as I must admit I find it an indispensable adjunct to my business. Wishing you and your staff all good things for the coming year.—M.P.S. (Wales) (118/35).

A Provincial Firm of Retailers (123/9), in renewing their subscription for 1916, write: "While regretting the extra cost on account of postage, we still consider it worth more than you ask for it. One hour's quiet meditation over this journal each Friday night after closing—accompanied with the pipe of peace—yields far greater ultimate profit to the business than one hour's rush at Insurance dispensing."

#### Transferring Picture Postcards.

Mr. F. Rennboog (Paris), referring to a recent request in the *C. & D.* for a method of transferring picture postcards to a plaster-of-Paris mould, suggests that the following process is what is required: Cut out the picture very carefully with a knife or scissors, moisten it slightly, and lay it on a well-cleaned plate (a square, round, or oval plate or an ordinary dinner-plate), the coloured side touching the plate. Make a thin paste with water and plaster of Paris and pour the mixture on the plate, covering the picture half-an-inch thick. When set lift out of the plate, and the picture appears as if it were directly printed on the plaster.

#### What Does it Mean?

The following is a literal copy of a prescription presented to the pharmacy of Mr. R. Howden, 23 Gracechurch Street, London, E.C., one day last week:

dec aloes Co.  
1-3 Cou C 3 11  
11  
G 3 111  
VIII  
Wh' mag tied  
11-3-7

It is an amateur's attempt to copy a prescription. We do not propose to give a prize for postcard versions of the correct article, but those who like to try may, and we shall be glad to report.

### Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1915, beginning on page 405.

J. W. (66/61).—The chilblain-preparations are liable to stamp-duty on account of the labels; the wormseed-syrup is not liable.

T. W. (64/65).—We presume that the apprenticeship is an indentured one, also that a written agreement exists in regard to it, and that the apprentice-master has waived his part of the bargain for the period of the war, seeing that the apprentice is on active service. Such military service cannot be reckoned as part of the apprenticeship for the purposes of the Minor examination, but if the apprentice is engaged in military dispensing that will count as part of the three years' practical experience in compounding medical prescriptions required for the Minor.

*Smilar* (66/24).—A, an unqualified man, is joined in business by B, a registered chemist and druggist, the business having previously been carried on by A, who could not do Insurance dispensing, but wishes to now. Can he? [The Insurance Committee is empowered to contract with registered chemists and recognised limited companies to dispense medicines; consequently A, not being a registered chemist, cannot enter into such an agreement with the Insurance Committee, but B may do so. If that is done, however, and the business is carried on as A and B, a partnership, or B as assistant to A, A becomes liable under Section 15 of the Pharmacy Act, 1868, for keeping open shop for retailing, dispensing, and compounding poisons, and if A and B describe themselves as "chemists," A is also liable under the same section for using the title "chemist."]

A. N. W. (57/69), before the war, gave an order for a quantity of goods to be delivered as required. The makers formally accepted the order without qualification, but now refuse to supply the goods except at an increased price, on the ground that the cost of the ingredients used in the manufacture of the goods has risen. Is their attitude justified? [We are of opinion that the makers are bound to deliver the goods at the contract-price, even if they can do so only at a loss to themselves, and that if they fail to do so they will be liable to be sued by "A. N. W." for damages. The contract does not contain the war clause which has been used for many years even when war is remote, and which where it exists annuls the contract in such circumstances as the present. In connection with the foregoing, a statement by Mr. Justice Shearman, in the King's Bench Division of the High Court on December 11, in delivering judgment in the case of Greenway Bros., Ltd., v. S. F. Jones & Co., is relevant. His Lordship said that he knew of no case which said that where there had been a rise of price owing to unforeseen circumstances a vendor is excused from delivery until he can get the goods at a low price again.]

### Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas of them. When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

*Junip* has not sent his name and address. Such communications as this merely waste our time, and have to go into the waste-paper basket.

R. G. D. (65/72) is a pharmacist of military age who has ATTESTED UNDER LORD DERBY'S SCHEME, and works single-handed in business on his own account. He wants to know what steps he should now take, and if any special forms are necessary. [We published in our issue of December 11, p. 34, letters from Sir Jesse Herbert, Hon. Secretary of Lord Derby's Committee, and from Mr. S. Vivian, of the National Health Insurance Commission, giving information on this point. Sir Jesse Herbert said all information can be obtained from the local authority for the area in which the person resides, or alternatively from the local Recruiting Committee. Mr. Vivian said that persons in the position of our correspondent are provisionally exempted from service, and will, in fact, only be called upon to serve after specific reference to the Central Appeal Tribunal. We shall be glad if others interested in this question will make a note of these facts, so as to save their time and our own. Future inquirers can only be referred to these statements.]

J. A. S. (40/18).—(1) GARGET-MIXTURE.—The treatment of garget, or inflammation of the udder of cows and sheep, is generally local by means of camphorated liniment or ointment, belladonna fomentations, or injections of eucalypol. The mixture you send is ammoniacal, and probably used internally as a stimulant. (2) LEMINOUS PAINT.—See C. & D., July 26, 1913, p. 132. (3) Have you any reason to believe that there is any hidden meaning in a request for "Ashmead Bartlett's Dardanelles Dispatches"?

J. A. O'N. (60/42).—HEMATURIA IN COW.—"J. A. O'N." states that one of his customers has a cow which about twelve months ago showed signs of cold, and the urine became reddish-brown and sometimes quite dark and black. The animal recovered, but has again developed the same trouble. [This seems to be a case of hæmaturia, due to a variety of circumstances, such as degenerative changes in the kidneys, acute congestion, irritation of mucous mem-

brane of ureters, etc. The animal should be kept warm and the bowels in an open condition. Give spt. æther, nit. ʒij. with tinct. belladon. ʒiv. ʒvj., followed by acid. hydrochlor. dil. ʒij. ʒiv., or tinct. ferri perchlor. ʒij., the former to be preferred if to be continued for a time. A draught of ol. tereb. ʒij., ol. lini Oj. can also be given if considered necessary. Lime salts, such as calcium chloride or lactate, are also recommended. An American writer is of opinion that food containing oxalic acid is the cause of the disease.]

F. R. (64/72).—HOOSE OR HUSK IN CALVES.—The intra-tracheal cure is recommended, especially if a number is affected. The instrument necessary is sold by Maw's and other veterinary-instrument manufacturers, with full instructions for use, but it is advisable to have the assistance of a practical man when employing the method for the first time. The solutions employed are as follows, each of these being an average dose, which can, however, be increased or diminished according to age and size of the calf:

Acid. carbol. ...	℥xxx.	Ol. tereb. ...	ʒiss.
Chloroform. ...	ʒj.	Acid. carbol. ...	℥xxx.
Ol. olive ...	ʒij.	Chloroform. ...	ʒiss.

Rotax (67/52).—You are quite right in attesting, and you will find in a reply to "R. G. D." all the information that you require. Single men will be called up before the list of married men is touched, and even that list will be exhausted before single and married men who have attested under the chemists' exemption are touched.

A. W. L. (51/35).—THE DRY SKINS OF ANIMALS are effectually softened by treating with strong solution of sal ammoniac. This may be employed as a supplementary process to the usual methods of preserving skins with alum or oak-bark liquor.

Alcoholic (51/56).—DRINK-CURE.—The active principle of the drink-cure powders which you send is potassium bromide. It is mixed with sugar of milk, and in the case of the yellow powders a colouring substance is added. Occasionally a little acetanilide is introduced in "cures" of this class, but all agree in that they are sold at a high cost. There is no reason to believe that potassium bromide can effect a cure of the drink-habit.

S. R. (64/37).—We believe you will find that if the discoloured acetic acid is shaken with charcoal the colour derived from the cask in which it has been stored will be removed. If the acid is intended for pickling-purposes or for use in manufactures the colour is not objectionable.

H. H. (60/19).—DESTROYING LICE ON HORSES.—Dr. R. Stewart Macdougall, in his lecture recently before the North British Branch of the Pharmaceutical Society, stated that the louse found on horses is *Hæmatopinus asini*, and that the following lotion had been found effectual in destroying the pest:

Arsenious acid ...	...	1 oz.
Soft soap ...	...	2 oz.
Sodium carbonate ...	...	1½ oz.
Water ...	...	2 pints

Dissolve by boiling and then dilute to 5 gals. with water. Apply after clipping body and limbs. In thin-skinned horses this sometimes causes slight irritation. There should be two dressings with an interval between them of seven to ten days. Another cheap and effectual dressing is 2-per-cent. solution of creolin. Mercury perchloride (1 to 1,000) is sometimes used for the legs of horses. Nits are often present in great numbers on the hair, and the majority can be got rid of by thorough grooming. The young lice from those that escape and hatch out will be caught by the second dressing.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Dec. 15, 1865

### Gossip.

Mr. H. Nuttall has commenced business as a chemist and druggist, 18 Lower Parade, Leamington.

Messrs. Greaves and Richardson have opened a shop on the Low Pavement, Chesterfield, as dispensing chemists and druggists.

Mr. J. H. Baron will in future conduct the business of chemist and druggist, Chorley, Lancaster, hitherto carried on by E. H. Baron and Brother.

The majority of the chemists and druggists of Wolverhampton have agreed to close their establishments for general business at half-past seven o'clock.

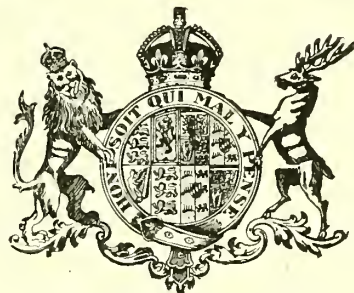
Mr. Charles Crook, of Huddersfield, has entered into partnership with Mr. Alfred Barrowclough, as dispensing and family chemist, at Mirfield, Yorkshire.

# PEARS

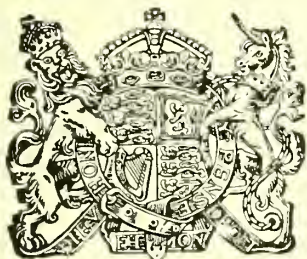
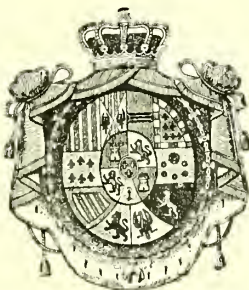


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Benzosol

Hexamethylenetetramine  
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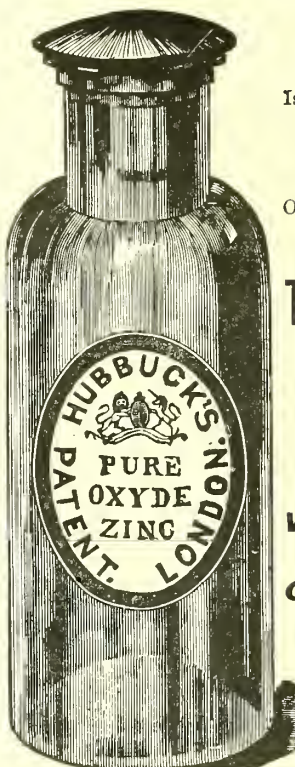
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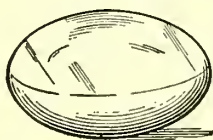
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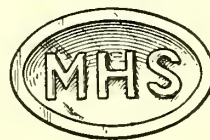
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Capsule intact, showing  
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**Gamboge**, English Ground 7 lbs. @ 3/10 lb.; 1 lb. @ 4/2 lb.

**Ginger**, English Ground, 1 cwt. @ 46/- cwt.; 7 lbs. @ 7d. lb.

**Gingerine**, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.

**Glycerin**, Opt. D.D., 1,260 P.B., 1 cwt. @ 118/- cwt.; 56 lbs. @ 120/- cwt.; 12 lbs. @ 1/3 lb.

**Glycerin**, Acid. Boric, P.B., 6 lbs. @ 2/- lb.

" Acid. Carbolic, P.B., 6 lbs. @ 1/9 lb.

" Acid. Tannic, P.B., 6 lbs. @ 2/4 lb.

" Belladonna, B.P.C., 6 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.

**Glycerin**, Boracic, P.B., 6 lbs. @ 1/5 lb.

" Pepsin, Acid. P.B., 1 lb. @ 3/10 lb.

" Plumbi Subacet. P.B., 6 lbs. @ 1/9 lb.

**Gualacol Carb.**, 1 lb. @ 8/- lb.

**Gualacol**, pure, 1 lb. @ 36/- lb.

**Gum Acacia** sorts, 3 cwt. @ 75/- cwt.; 1 cwt. @ 80/- cwt.; 7 lbs. @ 9d. lb.; English Ground Powder, No. 1, 1 cwt. @ 120/- cwt.; 7 lbs. @ 1/3 lb.; No. 2, 1 cwt. @ 100/- cwt.; 7 lbs. @ 1/- lb.

**Gum Benzoin**, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

**Gum Catechu** Nig., English Ground, 1 cwt. @ 75/- cwt.; 14 lbs. @ 8d. lb.

**Gum Guaiac**, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.

**Gum Juniper**, 14 lbs. @ 1/- lb.

**Gum Tus Elect.**, 2 1/2 cwt. @ 40/- cwt.; 28 lbs. @ 46/- cwt.

**Gum Tragac.** Elect., English Ground, 7 lbs. @ 8/3 lb.; 1 lb. @ 8/0 lb.

**Heading** (Frotting Ess.), 5 lbs. @ 1/3 lb.; Heliotropine, 1 lb. @ 11/- lb.

**Hellebore**, White, Powder (Foreign Ground), 1 cwt. @ 45/- cwt.

**Hexamethylenetetramine**, 7 lbs. @ 6/6 lb.; 1 lb. @ 6/10 lb.

**Honey**, Pale Set, Jamaica, 3 1/2 cwt. @ 44/- cwt.; 28 lbs. @ 50/- cwt.; Californian, 1 cwt. @ 52/6 cwt.; 7 lbs. @ 7d. lb.

**Hydrargyrum**, P.B., 10 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ammon., 28 lbs. @ 8/- lb.; c. Creta, 28 lbs. @ 2/6 lb.; Iodid. Rub. 28 lbs. @ 16/2 lb.; Oxid. Rub., 28 lbs. @ 8/- lb.; Perchlor., Lump, 28 lbs. @ 7/7 lb.; Subchlor., 28 lbs. @ 7/4 lb.; Sulph. c. Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra, 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.

**Hydrokinone**, 1 lb. @ 32/- lb.

**Ichthyol** Ammon. chemical equivalent: Ammon. Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.

**Inf. Aurant. Conc.**, 1 to 7, 6 lbs. @ 1/7 lb.

" Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/6 lb.

" Buchu Conc., 1 to 7, 6 lbs. @ 2/5 lb.

" Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.

" Caryoph. Conc., 1 to 7, 6 lbs. @ 1/2 lb.

" Cascarilla Conc., 1 to 7, 6 lbs. @ 1/6 lb.

" Clucosæ Acid, 1 to 7, 6 lbs. @ 1/9 lb.

" Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.

" Quassia Conc., 1 to 7, 6 lbs. @ 11d. lb.

" Rhei Conc., 1 to 7, 6 lbs. @ 1/8 lb.

" Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/6 lb.

" Senege Conc., 1 to 7, 6 lbs. @ 2/5 lb.

" Valerian Conc., 1 to 7, 6 lbs. @ 1/6 lb.

**Insect Powder**, Opt., English Grd., closed flowers, 7 lbs. @ 3/- lb.; English Ground, 1/2 closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/6 lb.

**Iodoform Pulv.** B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/-

**Iodum resub.** B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.

**Isinglass**, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

**Kamala**, 7 lbs. @ 1/5 lb.; sifted, 1/9 per lb.

**Lapis Pumicis**, fine powder, 2 cwt. @ 11/- cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 16/- cwt.; 7 lbs. @ 3d. lb.

**Licorice Juice**, 4 & 2-oz. Sticks, 1 cwt. @ 125/- cwt.; 28 lbs. @ 1/2 1/4 lb.; 7 lbs. @ 1/3 lb.

**Lina. Aconiti Meth.**, 5 lbs. @ 1/7 lb.; 1 lb. @ 1/10 lb.

" Bellad. Meth., 5 lbs. @ 4/11 lb.; 1 lb. @ 5/2 lb.

" Campb. P.B., 40 lbs. @ 1/- lb.; 9 lbs. @ 1/10 lb.

" Sapo Meth., 9 lbs. @ 9d. lb.

" Terreb. Acet. B.P., 5 lbs. @ 1/- lb.

**Linseed c. Oil**, Crushed, 3 cwt. @ 21/- cwt.; 1 cwt. @ 22/- cwt.

**Liq. Ammonii Acetatis Conc.**, 1-7, 6 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.

" Ammon. Aromat., 6 lbs. @ 10d. lb.

" Antim. Chlor. Pure, 8 lbs. @ 10d. lb.

" Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.

" Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.

" Bismuth, P.B., 6 lbs. @ 1/6 lb.

" Copaiba Buchu et Cubeb, 5 lbs. @ 2/11 lb.; 1 lb. @ 3/2 lb.

" Easton, p.s. 1-3, B.P., 1 lb. @ 3/5 lb.

" Ferri Dialysatus, 6 lbs. @ 10d. lb.

" Ferri Iod. p.s., 1-7, 1 lb. @ 8/- lb.

" Ferri Perchlor. Fort., P.B., 7 lbs. @ 4 1/4 lb.

" Ferri Persulph. Co. p.s., 1-7, 7 lbs. @ 1/7 lb.

" Hamamelidis, B.P., 6 lbs. @ 1/3 lb.

" Hypoposph. Co., p.s., B.P.C., 1 lb. @ 3/10 lb.

" Iodi Fort. B.P., 5 lbs. @ 6/7 lb.

" Morphinae Acet. or Hydrochlor., P.B., 6 lbs. @ 3/11 lb.

" Opii Sed., 5 lbs. @ 5/1 lb.

" Plumbi Subacet., P.B., 7 lbs. @ 6d. lb.

" Pruni Virg. p.s. 1-7, 5 lbs. @ 2/8 lb.

" Rheados pro Syr., 1 to 7, 5 lbs. @ 2/7 lb.

" Rhei, p.s., 1-7, 6 lbs. @ 2/3 lb.

" Santali Co., 1 lb. @ 4/6 lb.

" Sennæ Dulc. 6 lbs. @ 1/7 lb.

" Sennæ pro Syr. 1-7, 6 lbs. @ 3/4 lb.

" Strvchninae Hyd. P.B., 6 lbs. @ 1/10 lb.

" Tolut. pro Syr. 1-7, 6 lbs. @ 1/9 lb.

" Trinitrinol, B.P., 1 lb. @ 6/6 lb.

" Urtica Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/5 lb.

" Citras, B.P., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; pulv., 3d. lb. extra.

**Lycopodium**, 7 lbs. @ 5/4 lb.

**\*Mist. Sennæ Comp.**, B.P., 20 lbs. @ 7 1/4 lb.; 6 lbs. @ 8 1/4 lb.

**Morphinae Acet. Hydrochlor. or Sulph. Pulv.** B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 19/- oz.

**Morphinae Diacetyl.**, 4 oz. @ 24/- oz.; 1 oz. @ 24/6 oz.; Hydrochlor. 6d. per oz. less.

**Myrrh. Gum**, English Ground, 28 lbs. @ 1/3 lb.; 7 lbs. @ 1/5 lb.

**Naphthalene**, Flake, 7 lbs. @ 6 1/4 lb.

**Nux Areca**, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9 1/4 lb.

**Ol. Amygdal. Ang.**, B.P., 9 lbs. @ 3/1 lb.

**Ol. Anetbi Ang. B.P.**, 1 lb. @ 17/- lb.

**Ol. Anisi, E.I.**, 66 lbs. @ 3/6 lb.; 16 1/2 lbs. @ 3/10 lb.; 4 1/2 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.

**Ol. Aurant.**, 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.

**Oil of Bays**, genuine W.I., 1 lb. @ 14/6 lb.

**Ol. Cajuput.**, B.P., 2 1/2 oz. bots. @ 4/9 lb.

**Ol. Camphor. Essent.** White, 80 lbs. @ 85/- cwt.; 40 lbs. @ 90/- cwt.; Brown, 40 lbs. @ 120/- cwt.

**Ol. Caryoph. Ang.**, B.P., 9 lbs. @ 5/8 lb.; 4 1/2 lbs. @ 6/- lb.

**Ol. Cassia**, 16 lbs. @ 3/9 lb.; 6 lbs. @ 4/- lb.

**Ol. Cinnam.**, 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.

**Ol. Citronellæ**, 9 lbs. @ 2/3 lb.

**Ol. Coco. Nucia**, finest White, 80 lbs. @ 56/- cwt.; 40 lbs. @ 58/- cwt.

**Ol. Eucalypt.**, B.P., 1 cwt. @ 2/- lb.; 28 lbs. @ 2/1 lb.; 9 lbs. @ 2/3 lb.

**Ol. Geranii Gall. Opt.**, 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.

**Ol. Gynocardia**, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.

**Ol. Juniperi Ligne Exot.**, 9 lbs. @ 2/6 lb.

**Ol. Lavand. ab Flor.**, 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.

**Ol. Menth. Pip. English**, 5 lbs. @ 35/6 lb.; 1 lb. @ 36/6 lb.; Hotchkiss original bots., 2 1/2 oz. each @ 15/- lb.; 6 bots. @ 14/10 lb.; 18 bots. @ 14/4 lb.; American, 20 lbs. @ 10/- lb.; 4 1/2 lbs. @ 10/- lb.; 1 lb. @ 11/3 lb.; Japanese, 60 lbs. @ 3/7 lb.; 5 lbs. @ 3/10 lb.

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**Ol. Nuclei Pallid.** 2 gall. tins @ 6/11 gall.

**Ol. Olivæ**, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.

**Ol. Origan Rub.**, Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb.

**Ol. Peach Kernel** (so-called), 1 cwt. @ 1/4 lb.; 56 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.

**Ol. Pulegi B.P.**, 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.

**Ol. Ricini Alb. Opt. Medicinal**, 44 lbs. @ 90/- cwt.; 9 lbs. @ 10d. lb.; for export, 1 cwt. drums recommended.

**Ol. Rosmarini**, Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 9 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.

**Ol. Santal. Flav. Ang. B.P.**, 5 lbs. @ 31/6 lb.; 1 lb. @ 32/6 lb.

**Ol. Sassafras**, genuine, 28 lbs. @ 3/3 lb.; 1 lb. @ 3/8 lb.

**Ol. Theobromæ**, B.P., 8-oz. tabs., 28 lbs. @ 2/4 lb.; 7 lbs. @ 2/6 lb.

**Ol. Wintergreen**, Artificial, 5 lbs. @ 18/- lb.; 1 lb. @ 18/6 lb.

**Opium Turc. B.P.**, 14 lbs. @ 3 1/6 lb.; 3 lbs. @ 37/6 lb.; 1 lb. @ 38/6 lb.; powder, 6d. lb. extra.

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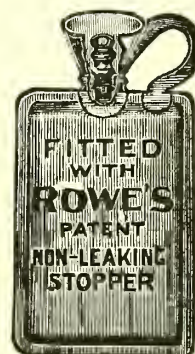


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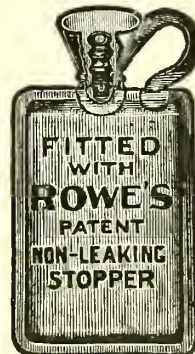


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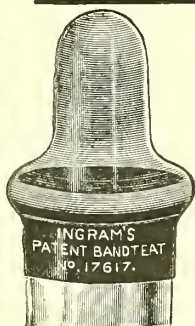
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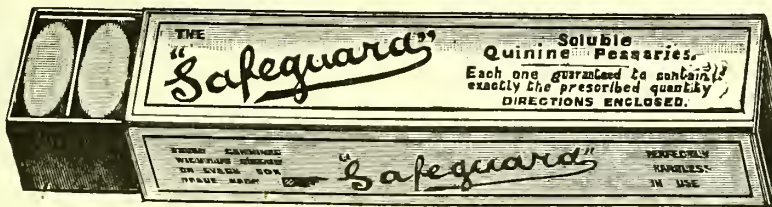
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ESTAB. 1838. 278 Bishopsgate, London, E.C.**

**LOOFAH SOCKS**

# SOLUBLE QUININE PESSARIES



The "SAFEGUARD" Pessaries (of which we are sole proprietors) are compounded according to a formula which experience has shown to be absolutely the best for the purpose. Nothing but the purest drugs being used in them, they never fail, and can be recommended to customers with the utmost confidence.

## PRICES.

1 Dozen in Box, with directions	...	...	...	...	...	Per Dozen Boxes	£	s.	d.
1 " " in 3 Dozen lots	...	...	...	...	...	"	0	11	6
							0	11	0

### Special Quotations to Shippers and Wholesale Dealers.

6% discount allowed for prompt cash off above prices. Carriage paid on Orders of £2 and upwards to any town in the United Kingdom.

We are the right House for BRITISH-MADE GOODS—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheetings, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

## BURGE, WARREN & RIDGLEY, LTD.,

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

The Original and only Genuine

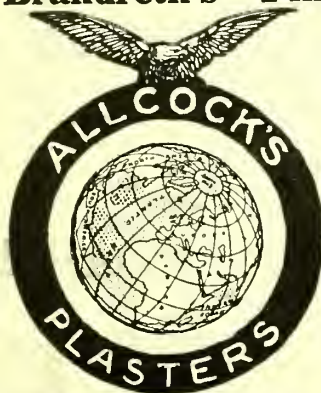
## Allcock's

### POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

**Allcock's Plasters**  
**Allcock's Corn and**  
**Bunion Plasters**  
**Brandreth's Pills**

*The*  
*Three*  
*Reliables.*



ON P.A.T.A.  
LIST.

Prices and Terms  
on  
application to

**ALLCOCK**  
**MANUFACTURING**  
**COMPANY**

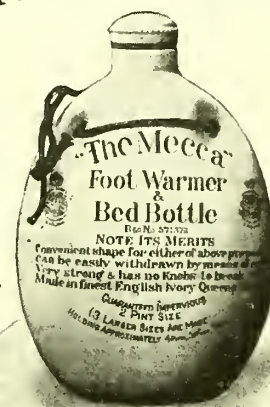
22 Hamilton Sq.,  
Birkenhead.

"Sold all round the World."

## A Novelty in Foot Warmers

A really High - Class Line for  
**PHARMACISTS**

Made of  
finest  
White Ivory  
China,  
and superior  
finis  
to those  
usually sold  
by Iron-  
mongers, &c.



Has no  
corners,  
therefore  
more  
comfortable  
for patient.  
Looks  
smart in a  
Chemist's  
stock.

PRICES:  
2-pint,  
24/- doz.

PRICES:  
4-pint,  
30/- doz.

Terms, carriage forward, packages containing 1 dozen  
assorted sizes, 2/6 each (NET), not returnable.

**Thomas Swales, 24 Butts Court & Leeds.**  
89 Albion St.,

Telephones—Central 3702, Leeds; Headingley 406, Leeds.

A GOOD LINE FOR CHEMISTS.

TRADE MARK

FRAME FOOD

ON P.A.T.A. LIST.

SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

A. MILLAR & CO., LTD., DUBLIN  
PURE ORANGE WINE

VINUM AURANTH. B.P.

Prepared in strict accordance with the Formula of the British Pharmacopoeia.

(Wholesale only.)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

ALL CHEMISTS  
SHOULD STOCK

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quiet Sufferers. Big Profits. Quarter of a Century's Reputation.  
"ABDINE" is the most popular Health Drink. Superior to all Mineral Waters. Sold in 1d. Packets, and Boxes of 13 Packets at 1/-  
Order through your Wholesale Drug House.  
D. McALANAN, M.P.S., 12 West End Place, EDINBURGH.  
Wholesale Prices on Application.

Wholesale ALL BRITISH Only.

+ CRÊPE BANDAGES. +

In various widths and qualities. Send for Samples, with Prices, and compare with any foreign production, to The Norwich Crepe Co. (1856), Ltd., St. Augustines, Norwich, who are acknowledged to be the only manufacturers in Great Britain.

## Lofthouse &amp; Saltmer, Ltd.

Wholesale and Export Drug Merchants,  
— Manufacturing Chemists —

## HULL

Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	Protected Retail Price.	Dozen Net.
* LOSALL'S SALT (well advertised), tins	6d.	3 6
* " " " " " "	1/-	7/-
* " " " " " bottles in cartons	1/6	10/6

\* Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

## LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/- 8/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

GOOD! IT'S MASON'S  
The Drink for the Masses

Millions of glasses used daily  
by workers all over the Empire

Please allow us to Sample and Quote—

Citrate Magnesia

Health Salt

Salines

Liver Salt

Blood Salt

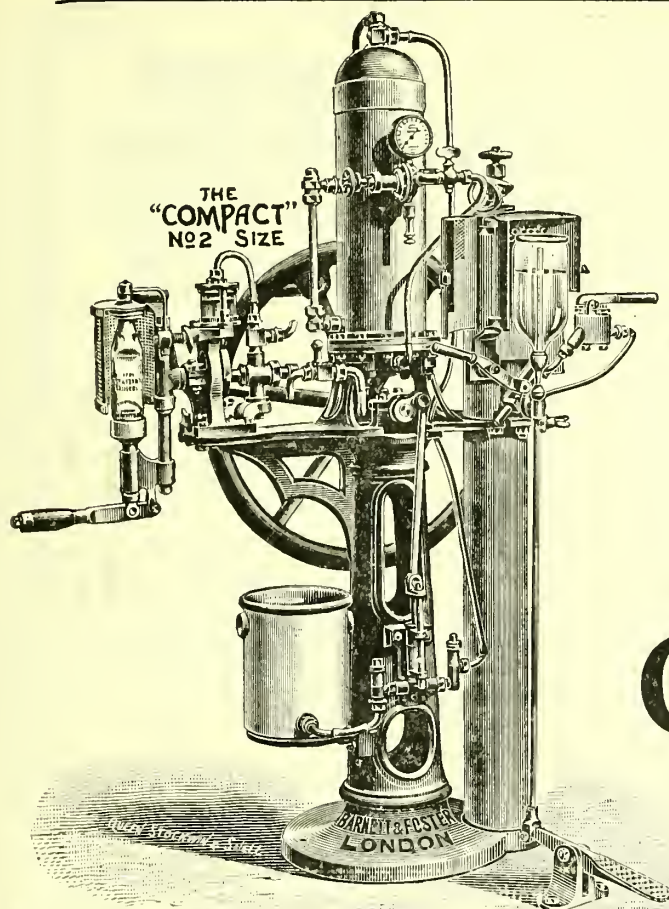
Sulph. &amp; Sarsap. Salt

Lemonade

Crystals, &amp;c.



NEWBALL & MASON  
NOTTINGHAM



We supply every machine, article and appliance needed for the manufacture of aerated waters. Our lists, including the "Red Club" monthly price list of Soluble and Fruit Essences, Essential Oils, Mineral Water Salts, Colourings, Chemicals and Drugs, posted free anywhere.

# For Chemists

"Compact" Soda-water Machines have been specially designed for the use of chemists.

They supply just as little, or just as much, bright, sparkling aerated water bottled in syphons, patents or other bottles, as your trade calls for and, as the machine always stands ready for immediate use, the goods, when sold, have the advantage of being freshly carbonated.

No previous knowledge is needed to successfully operate "Compacts"; full instructions for running, and for the manufacture of beverages, are sent with each plant. There is no gas to make, the carbonating pressure being derived from tubes of liquefied CO<sub>2</sub>, and a lad can drive the machine and bottle the product.

"Compacts" render you quite independent of outside suppliers; increase your profits and enable you to offer waters of a uniform, dependable, quality.

## PRICES.

Complete and ready for work with automatic safety gas-pressure reducing valve and stand for gas-tube.

Size.	Output in 10 oz. bots. *per day by hand	With filler for either bottles or syphons.	With both fillers.	EXTRAS.—Syrup pump for bottle filler, £2 2 0; for syphon filler, £5 5 0. Power pulleys for Nos. 2 & 3 sizes, £3 3 0
No. 1	600 doz.	£57	£60	
" 2	350 "	£45	£48	
" 3	200 "	£33		

\* When fitted for power double these outputs. A smaller machine is supplied at £20

# BARNETT & FOSTER

ENGINEERS

(Proprietors of GALLOWAY BROTHERS).

Niagara Works, 26 Eagle Wharf Road, London, N.

And at BOLTON, LANCs.

Telegrams: "Drinks London,"  
"Soda Bolton."

Telephones: London: North 1605.  
Bolton 545.

**Profit - - 33 $\frac{1}{2}$ % PROFIT**  
ON COST

**CHELTENHAM NATURAL  
APERIENT WATER.**

**Pleasure -** Satisfied customers, who  
always want more.

**Patriotism** It is patriotic, and it is  
good business to supplant  
Apenta, Hunyadi and Carls-  
bad Waters by Cheltenham  
Natural Aperient Water.

**THE NATURAL  
BRITISH PRODUCT.**

Packed in Cases of 24 Bottles,  
9/- per dozen.

Retail price (protected) at 1/- Bottle.

Order through Messrs. INGRAM &  
ROYLE, MAY, ROBERTS & CO., LTD.,  
or direct from

**THE CHELTENHAM  
NATURAL WATER CO.**

Priory Court, Cheltenham Spa.



**" ALL - BRITISH "**  
**VACUUM FLASKS**  
claim your attention

not merely because (as  
their name implies) they  
**are entirely made in  
England,** by British  
labour, **Vacuum Bottle  
and all**—though that is  
a strong claim, as is  
everything which keeps  
down imports. But they  
claim it on the ground  
that **there is no better  
Vacuum Flask made.**  
One Quality Vacuum in a  
wide range of outer  
casings.

Aerators, Ltd., Upper Edmonton, London, N.



**THE FRENCH** NATURAL MINERAL  
— WATER. —  
**VICHY-CÉLESTINS**

**DISORDERS** of the **LIVER, GOUT,**  
**Diabetes, Rheumatism, Gravel, &c.**

**VICHY-ETAT PASTILLES.**

Two or three Pastilles after each meal facilitate Digestion.

**CAUTION.**—Each Bottle from the STATE SPRINGS bears a neck label  
with the words "VICHY-ETAT" and the name of the **SOLE AGENTS:**  
**INGRAM & ROYLE, Ltd., Bangor Wharf, 45 Belvedere Road, LONDON, S.E.**

**PROPERTY OF THE FRENCH GOVERNMENT.**



with Quinine  
**Requires NO license**

when sold by Registered Chemists and Druggists.

*The Excise Authorities and the Law say so!*

---

On Saturday, July 4, 1914, the Recorder at the Bradford Quarter Sessions **ALLOWED AN APPEAL** by Mr. Oliver Hobson, manager to Messrs. Savage & Co., Ltd., Chemists, of 658 Manchester Road, Bradford, against the decision of the Bradford Justices who had previously fined Mr. Hobson £3, and costs, for selling Wincarnis with Quinine without a wine license. In allowing the appeal, with costs, the Recorder said that **the conviction was wrong.**

---

It is, therefore, an established fact that  
**NO LICENSE IS REQUIRED**  
to sell  
**WINCARNIS with QUININE**

Owing to the increase in Patent Medicine Stamp Duty, we have been compelled to make a slight advance in the prices of Wincarnis with Quinine.

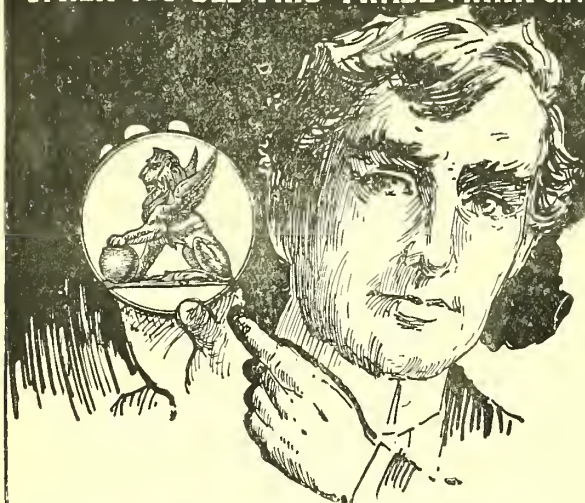
**NEW  
PRICES**

**TO THE TRADE.**  
Pints, now ... 25/- per doz.  
Quarts .. ... 40/- ..  
**TO THE PUBLIC.**  
Pints now ... 2/6 per bottle.  
Quarts .. ... 4/- ..

**HOW IS YOUR STOCK?**

**COLEMAN & CO., Ltd., Wincarnis Works, NORWICH.**

WHEN YOU SEE THIS TRADE MARK ON A PACKAGE



you know you are getting  
the ORIGINAL — GENUINE

## WINGED LION BRAND HERBS in PACKETS

These Packets have the largest sale in the  
United Kingdom, by reason of their Purity  
and Reliable Contents

**POTTER & CLARKE, Ltd.,**

*Drug Merchants, Manufacturing Chemists,  
Importers of Herbs, Roots, and Barks,*

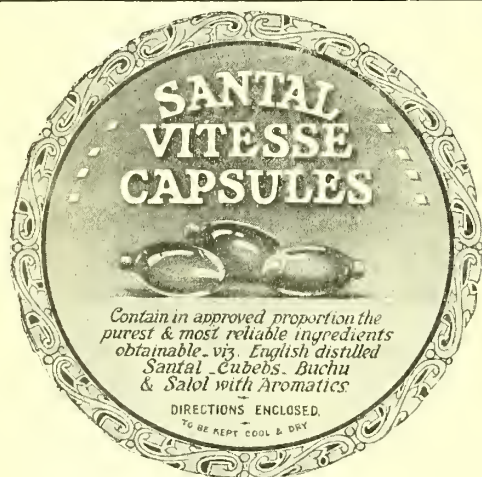
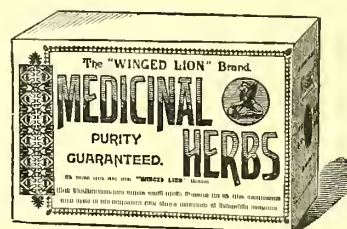
**60, 62 & 64 ARTILLERY LANE,  
LONDON, E.**

And 24 LUNA ST., GT. ANCOATS, MANCHESTER.

Put up in

$\frac{1}{4}$ -gross  
cardboard  
cartons.

7/- per gross  
net.



We guarantee this combination to  
be one of the most genuine and  
reliable on the market. The ingre-  
dients stated upon the label are  
absolutely pure.

2/6 boxes containing 24 ... 18/- doz.  
3/6 " " " 36 ... 25/- "

RETAIL PRICES PROTECTED.

*Neat Showcard with all orders.*

**POTTER & CLARKE, LTD**

**60-64 ARTILLERY LANE, LONDON, E.**

And at 24 LUNA STREET, MANCHESTER.

MANUFACTURERS OF

## FLEXIBLE CAPSULES


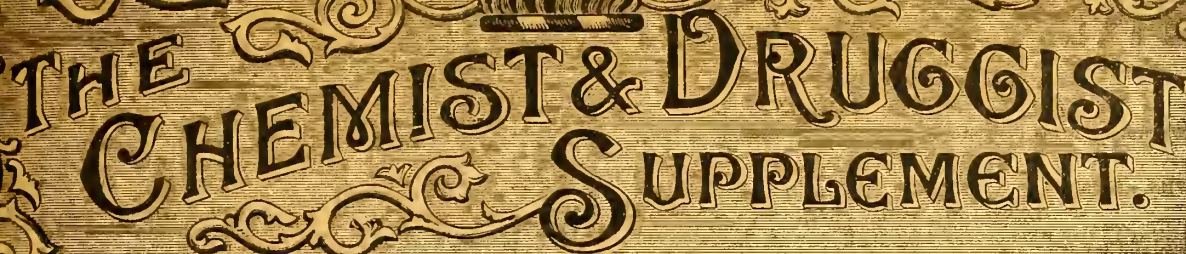
We have recently installed new machinery for the  
manufacture of Capsules and Perles, and have now one  
of the most modern plants in the United Kingdom.

The "Winged Lion" Capsules do not shrink, con-  
tract or go mouldy, but retain their flexibility for any  
length of time.

All Capsules are filled with the purest ingredients  
and are guaranteed effective.

**SANTAL CAPSULES.**—We would specially  
direct your attention to the fact that we use the finest  
"English drawn Santal Wood Oil" only, guaranteed  
pure, in our Capsules.

CAPSULE LIST SENT ON RECEIPT OF BUSINESS CARD.



# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, DECEMBER 18, 1915

## TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

**PROVIDED the MONEY is TELEGRAPHED**

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules: Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)



## The Compliments of the Season

to employers, assistants and others in the  
Drug Trade at Home and Abroad who  
realise the value throughout the year of

### THE CHEMIST AND DRUGGIST SUPPLEMENT



## A STRICT EYE

*must be kept on all departments of your  
business during the forthcoming year  
in order to meet advanced costs and  
show adequate profit on outlay. This  
means periodical valuation and stocktaking  
at regular intervals to make*

## PROSPERITY SURE

*Therefore keep in touch with*

**ORRIDGE & CO.**

**56 Ludgate Hill, E.C.**

# BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.  
NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of Buyers on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,000 returns.—LONDON, S.W.—High-class Family Retail and Dispensing, increasing; fine opening for Photo and Optical; well-fitted, large shop and house; moderate rent; net profit £300; price £400.

£900 returns.—LONDON, N.—Good-class Family Retail; plenty of scope for Optics and Dentistry; large corner shop; good house; net profit £213; price £450.

£1,400 returns.—NORTH MIDLANDS.—Good market-town trade; profit above the average; price £800.

£1,100 returns.—MIDLANDS.—Medium-sized market town; trade increasing; good house, yard, and garden; premises on lease; price £725, not much more than value of stock and fixtures.

LANCASHIRE.—A much-neglected good-class Business, through continued ill-health; young, energetic man would find this an exceptional chance; valuation of stock and fixtures, about £500; better-class town.

We have cash Buyers for businesses from  
£500 to £5,000.

Valuations conducted upon the shortest notice  
at moderate fees.

# BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—EASTERN COUNTY.—Good-class Cash Retail, with Wines and Spirits; returning between £3,500 and £4,000, with plenty of scope for further extension; splendid position; very heavily stocked; illness sole cause of selling; price required £2,000; strongly recommended.

2.—ISLE OF WIGHT.—Through sudden death of Manager, sound old-established Country Seaside Business; no opposition; scope for increase; price, including freehold, £700; further particulars on application.

3.—HOME COUNTY (Fashionable Town).—First-class Dispensing and Retail Business; returning over £1,200; half profit; can be much increased; stands well; price £700, or £100 and valuation; personally inspected and recommended.

4.—SOUTH-WEST OF ENGLAND.—Old-established unopposed Country Chemist's Business; returning £1,200, and producing clear net profit of £300; large house and garden; heavily stocked; owner joining Army; will accept £700, bare valuation.

5.—LONDON, S.W. (Busy Main Road).—Good medium-class Retail, increasing; returns £1,500; low rent, fine corner shop; stock and fixtures worth £1,000; price £800; owner on active service.

6.—SURREY (Suburb).—Good-class Light Family Retail, pleasantly situated; returns £1,450; good profits; attractive Pharmacy, fully stocked; price £850, or valuation terms; books properly kept.

7.—LONDON (Northern Heights).—Middle-class suburban Retail; returns about £1,100 under manager; good profits; books properly kept; price £650; personally inspected.

## STOCKTAKINGS.

We undertake stocktaking on a very low scale of commission or an agreed fixed fee, and also price out Chemists' own stocktakings. Please apply for our terms.

Businesses Wanted. Buyers Waiting.

# PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Recommended by—

BRITISH DRUG HOUSES, LTD.

MEGGESON & CO., LTD.

BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 27.

Valuer to Association of Manufacturing Chemists, has Businesses for Disposal on East, South, and West Coasts, besides numerous others in various parts of the country.

Several Pharmacists are disposing of very desirable concerns that they may be able to join the Forces abroad. Purchasers are requested to send particulars of their requirements and the amount of capital they are willing to invest. No charge whatever to purchasers.

P. C. B. makes a speciality of examinations and reports on businesses on behalf of purchasers and arranges the transfer on very moderate terms.

Valuations for Sale, Probate, or Account are promptly attended to and personally conducted, whether in town or country. All communications are strictly confidential, and correspondence is invited.

Purchasers are strongly advised not to purchase any business which is not allowed to be investigated by an experienced expert.

# THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,  
AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tontom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

# BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every  
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

## XMAS HOLIDAYS.

Next week advertisements for this Supplement can only be received up to

2 p.m. on THURSDAY, DECEMBER 23.

Any announcements that come to hand after that will be inserted in the Supplement of January 1.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LONDON, S.W. (Main Market Thoroughfare).—Cash Retail Business, much neglected and let down owing to serious illness, but capable of increase under young energetic management; every investigation: will accept £100 or consider an offer. 69/51, Office of this Paper.

LONDON, W. and S.W.—Advertiser, wishing to join the Colours, has two Businesses for immediate Disposal: No. 1. West End, rent 30s. weekly, no rates and taxes; price £100 (less than valuation); No. 2, suburban, on main road; old-established, with several valuable Proprietaries; long lease; price £450; valuation of stock and fixtures £700; investigation necessary before particulars are given. Apply, "Pyke" (69/64), Office of this Paper.

YORKSHIRE (W.R.).—A good-class Dispensing Business for Sale; returns about £1,100; good profits; house and shop in best position. For particulars apply, 127/32, Office of this Paper.

**FOR Immediate Disposal.**—Very old-established Chemist's Business; centre of great seaport, near docks; large scafaring and general connection; cash, no bookings; established 1835; present owner above 50 years; reason retirement, old age; great Prescribing trade; capable of much further development; Agricultural and otherwise. All particulars 12 Waterhouse Lane, Hull.

**MINERAL-WATER Factory, South Wales.**—In consequence of the death of the owner, a thoroughly well-equipped Factory, with valuable connection, in good working order; returning £5,000, and ample scope for much extension; there are excellent Formulæ for registered Drinks, Cordials, etc.; to effect an early sale to close the estate the executors are prepared to forgo goodwill and sell at a valuation of plant, fixtures, and stock, estimated at about £3,500. Apply, "Exors." (68/49), Office of this Paper.

**OWING** to death of proprietor and necessity of present owner to enlist, small Retail, Chiswick neighbourhood, to be sold immediately; £150 or nearest cash offer; worth double; established 11 years, same proprietor; returns £10-£12 weekly, N.H.I. in addition; good profits; much scope. Full particulars, "Genuine" (129/19), Office of this Paper.

**£100 (OR NEAREST);** stock and fixtures at valuation; old-established Retail; average £500 yearly; could be more than doubled by qualified man; big Panel available; rent low, £34 inclusive; good Prescribing; few Patents; most central position in main road; South; photo; owner joining Forces reason selling. Further particulars to 127/20, Office of this Paper.

**£450 (ABOUT),** part can remain; turnover £900 per annum, at good profits; well stocked; good house; London district; reason for disposal; every investigation courted; no agents. "C. B. A." (124/18), Office of this Paper.

## FOR SALE.

**FOR Sale,** 50 oz. original tins of Howards' Quinine Sulph., also 2 25-oz. and 1 50-oz. tins other make; first offer above 3s. oz. "Pharmacist," 227 Kensington, Liverpool.

**NATIONAL Cash Till;** tape printer; no sign of wear; keys to £1; bargain for quick sale. Write, "M. H. T.," 34 Grosvenor Road, Richmond.

**SURPLUS stock Tablets,** containing Acetylsalicylic Acid and Quinine, Phenacetine, Caffein, and Antipyrine, Phenacetine, Caffeine, and Ammon. Brom., Phenacetine, Caffeine, and Soda Bicarb., 3s. 6d. per 100 cash with order; exact formula with pleasure. Hardman, Chemist, Yeadon, near Leeds.

## BUSINESSES WANTED.

**ADVERTISER (qualified),** with capital at command, wishes to Purchase a genuine Chemist's Business; unqualified Drug Stores not entertained. Usual particulars and lowest cash price to "Metron" (123/4), Office of this Paper.

**WANTED,** Cash Retail Business in good market thoroughfare, either with large Panel connection or where there is good opening for establishing one; good East-End business not objected to. Send full particulars to "Nemo" (126/27), Office of this Paper.

## AGENCIES.

**ALEXANDRIA (Egypt).**—British Chemist, proprietor of first-class English Pharmacy, desires sole Agency for Egypt for products in tablet form; will also accept Agency for other products suitable for this market. Replies to The Colonial Pharmacy, 9 rue Rosette.

## PARTNERSHIPS.

**WANTED,** Partner in good Agricultural and General business; good Specialities; easy hours; best prices and plenty of scope for increase. "I. X. L." (126/39), Office of this Paper.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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**RESULTS**  
OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK DEC 11 1915

NATURE OF ADVT.	REPLIES
MANAGER	25
UNQUAL. ASSIST.	19
LADY DISPENSER	13
SALESMAN	10
ASSIST.	10

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

## RETAIL.

**BIRMINGHAM.**—Unqualified Assistant, age about 45, for first-class business; must be a good Counterman and Dispenser; good salary offered to a capable man. "XL" (124/301), Office of this Paper.

**BOLTON.**—A qualified Chemist to Manage a Branch; Light Retail and Insurance Dispensing. Waller & Riley, Ltd., Chemists, Bolton.

**BRIGHTON.**—Assistant (gentlemanly); comfortable berth for good all-round man; Photography; capable taking charge of good-class business; good flat probably provided later if permanent. State age, send photo and full particulars first letter; also good Junior; Frenchman not objected to. Sidney Lane, 100 Western Road, Hove.

**BRISTOL.**—Reliable unqualified Assistant or Improver required; outdoors; no Sunday or night duty; must have good references. Strode, Cosh & Penfold, Lower Union Street, Bristol.

**BRISTOL.**—Wanted, Assistant, age about 25; hours of business short. Apply, giving particulars of experience and salary required, to Ferris & Co., Ltd., Bristol.

**CANTERBURY.**—Assistant wanted, chiefly for Dispensing; over military age or ineligible; outdoors. Apply, with full particulars, salary required, and photo, to E. Bing & Son, Pharmaceutical Chemists, Canterbury.

**EASTBOURNE.**—Wanted, about the end of the year, unqualified Assistant (outdoors) for good-class Retail and Dispensing business; comfortable berth for suitable man; easy hours; one over military age or ineligible for Army preferred. Address, G. A. Harmer, Eastbourne.

**GLAMORGAN.**—Experienced unqualified Assistant wanted; single; preferably one ineligible for service; lady experienced in Dispensing not objected to. State experience, age, and salary required, Williams, Chemist, Maesteg.

**GUILDFORD.**—Unqualified Assistant, lady or gentleman (if latter, must be ineligible for military service). Full particulars and photo to Long & Co. (Mr. Russell-Cox), 139 High Street, Guildford.

**LEEDS.**—Wanted, reliable Dispenser; qualified or unqualified; good post and salary for capable man. Rothstein, Pharmaceutical Chemist, North Street, Leeds.

**LONDON.**—Qualified Assistant for West-End Dispensing business. 126/9, Office of this Paper.

**LONDON, N.**—Assistant wanted for Counter; whole day off one week and half-day the next week alternately. State age, experience, references, salary required, and when disengaged, in first letter, or apply personally, to Bishop & Vincent, 450 Holloway Road, London, N.

**LONDON, N.**—Competent Assistant; salary £60 indoors or £104 outdoors, whichever preferred; also a Junior Assistant; salary £35 to £40 (indoors); hours 8.30 to 9.30, usual half-holiday. Apply (letter only), giving full particulars as to experience, names of references, and when disengaged, "Chemist," 300, Amhurst Road, Stoke Newington, N.

**LONDON, N.E.**—Assistant wanted for middle-class neighbourhood; good wages and prospects to suitable man. Usual particulars to S. Briggs, Chemist, Broadway, Crouch End, N.

**LONDON, N.W.**—Assistant wanted for Dispensing business; man or woman (man not eligible for military service); outdoors. Apply, with full particulars, P. Davidson, F.R. Chemist, 342 High Road, Brondesbury, N.W.

**LONDON, S.E.**—Wanted, an Assistant to take charge of a small Drug store; suit elderly man; could live on premises. Apply, stating abilities, references, age, to "Chemist," 835 Woolwich Road, or 9 The Village, Old Charlton.

**LONDON (Suburb).**—Assistant; also a Junior; male or female; Whole- or Part-time; outdoors; good-class Retail, Dispensing, and Photographic; short hours. State usual particulars, salary expected, and when disengaged, Matthews, Dispensing Chemists, Golders Green, N.W.

**LONDON, W.**—Messrs. Jolley & Co. require a capable Assistant; lady qualified preferred. Apply, personally or by letter, to "H. J. K.," 13 Curzon Street, W.

**LONDON, W.**—An experienced Assistant required for good-class Dispensing business; preference given to one ineligible for service. Apply, personally or by letter, R. H. Potts, 62 South Audley Street, Grosvenor Square, W.

### TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

### ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

## RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

**LONDON, W.**—Assistant required in Dispensing business; outdoors. Please give usual particulars, stating when disengaged, to 127/13, Office of this Paper.

**LONDON, W.**—Qualified Assistant wanted; experienced and competent in the routine of high-class Pharmacy; capable of taking charge; outdoors. Apply, with full particulars, stating salary required, and enclosing photo, to Coiman's Pharmacy, 6 Bloomsbury Street, London, W.C.

**LUTON.**—Assistant, lady or gentleman; unqualified; outdoors; Counter and Dispensing; no Sunday duty. State salary required, good references essential, Cocker, Post Office Pharmacy, Dunstable Road, Luton, Beds.

**MANCHESTER.**—Assistant required, of good appearance and address; hours 8.30 to 7, Saturdays 1 o'clock; no Sunday duty. Applications by letter must state qualifications, experience, salary required, and enclose photo, Burgons, Ltd., Ackers Street, C.-on-M., Manchester.

**MANCHESTER.**—Wanted, for New Year, a smart Assistant between 19 and 24, gentleman or lady, as Junior. Send full particulars, salary (outdoors), to Henry Tinker, The Heights, Manchester.

**MANCHESTER District.**—Unqualified Junior Assistant (outdoors) required for good-class Retail and Dispensing business. Address usual particulars as to salary, references, etc., enclosing photo (if convenient), to T. Woodruff, Pharmacist, Hazel Grove, Ches.

**NEWCASTLE-UPON-TYNE.**—Assistant (unqualified) wanted; male or female; good wages and hours; Wednesday half-holiday; no Sunday duty. Apply, stating age, experience, etc., to Manager, Drug Department, Newcastle Co-operative Society, Ltd., Darn Crook, Newcastle-upon-Tyne.

**SALISBURY.**—Assistant (lady or gentleman) wanted for Light Retail and Dispensing; indoors; comfortable post; easy hours; progressive salary. Please state experience, references, and salary required, D. Lewis, Pharmacist, Tisbury, Salisbury.

**SOUTH OF ENGLAND.**—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

**SOUTH WALES (Seaside Resort).**—Wanted, qualified Manager, with knowledge of Photography and Optics, for Light Retail and Dispensing business. Enclose photograph and full particulars first letter to F. E. Duck, John Street, Porthcawl, Glam.

**STOKE-ON-TRENT.**—Wanted (at once), Junior Assistant or elderly man; outdoors. Please write, giving full particulars, to Walter Tipper, 205 London Road, Stoke-on-Trent.

**WHITBY.**—Wanted, qualified man (ineligible for military service), or qualified lady, to assist a widow in business; comfortable berth; outdoors; healthy and pleasant locality. All particulars, references, salary, etc., to Mason, Ltd., Chemists, Whitby, Yorks.

**WINCHESTER.**—At once, Clerk for Chemist's Bookkeeping. Apply, with full particulars, Hunt & Co., Chemists, Winchester.

**WORTHING.**—Assistant wanted; outdoors; lady or gentleman; good-class business. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, Worthing.

**ASSISTANT** wanted (unqualified), middle of January; must be good Dispenser and quick Counterman; I am prepared to give a good salary to the right man. Apply, enclosing photo if possible, to T. Bellamy, Pharmaceutical Chemist, Tindal Square, Chelmsford.

**ASSISTANT**; unqualified; ineligible; smart, and obliging. State full particulars and salary required; time off could be arranged; or lady (Hall) with Retail experience not objected to. 126/23, Office of this Paper.

**ASSISTANT**; unqualified; outdoors; good general experience; easy hours; no Sunday or after-hours duty. J. Griffith Isaac, Pharmacist, Neath.

**CAPABLE**, unqualified, outdoor Assistant for Light Retail and N.H.I.; comfortable permanency for reliable man. Bramley, 87 Holyhead Road, Handsworth, Birmingham.

**FOREIGN** Assistant required at once; must have good experience in English and Foreign Pharmacy and be well recommended; liberal salary and commission paid to competent gentleman; required also young Swiss or Belgian Chemist or Druggist used to Wholesale and Retail, with some English experience. 130/1, Office of this Paper.

**JOHN BARKER & CO., LTD.**, Kensington, W., require a qualified Dispenser; ineligible for military service; hours 8 to 6, 1 o'clock Saturdays; no Sunday duty. Apply, R. E. Baron.

**JUNIOR** or Improver wanted for good-class Retail and Dispensing business. W. Pickard, 5 West Kensington Terrace, W.

**JUNIOR**, young man or woman, used to Dispensing for Doctor and N.H.I.; must be smart. Apply, Williams & Co., Ltd., 44 Bridge Street, Swindon.

**LADY** Assistant wanted, with Dispensing experience, for Richmond (Surrey) Branch; good hours and no Sunday duty. Apply, personally or by letter, giving full particulars, stating age, salary required, and when disengaged, Coppen Bros., Ltd., Head Office, 121 Carey Street, Vincent Square, Westminster.

**LADY** Assistant; 30s. per week; permanency. State age and when at liberty, 124/302, Office of this Paper.

**LADY** Dispenser required at once by medical man; Dispensing qualification; live out; good references; hours and work not heavy; country town; no bookkeeping; previous knowledge of Surgery Dispensing preferred. State salary required, "A. Z." (126/14), Office of this Paper.

**LADY** Assistant (after Christmas) for good-class Dispensing business. Particulars to Wilson, Pharmacist, Dorking.

**MANAGER** for business in London; Prescribing and Speciality. Apply, giving full particulars, experience, and salary required, to "X. Y. Z." (124/19), Office of this Paper.

**MANAGER** required about December 28 for small market town; good-class Retail, Dispensing, and Photographic business; must be good Counterman and Prescriber, and understand the Agricultural side. Apply, with full particulars as to salary and experience, to Holme, Chemist, Wallingford, Berks. Applicants not answered in three days declined.

**MAWSON & PROCTOR**, Newcastle-upon-Tyne, require Branch Manager: Light Retail and Dispensing; good house available.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

**QUALIFIED** Dispensers, unqualified Assistants, ladies or gentlemen. State salary required and experience to Wand, 12 Haymarket, Leicester.

**QUALIFIED** Branch Manager, also Assistant, required for Cash Retail; good references required; good progressive salary and permanency for the right men. Apply, Griffiths & Co., Chemists, Droylsden, Manchester.

**QUALIFIED** Assistant required for Prescription Counter. Apply personally before 12 o'clock, or by letter, stating full particulars of experience, to Staff Superintendent, Harrods, Ltd., 44 Hans Crescent, S.W.

**QUALIFIED** Manager for good-class Dispensing business. Apply, stating age, experience, and salary required, Ayton, Saunders & Co., Ltd., Wholesale Druggists, Liverpool.

**QUALIFIED** Chemist required at once, lady or gentleman; elderly not objected to; also Improver or Junior; also Porter, capable of driving motor-car. Apply, Brodribb, 544 Mare Street, Hackney, N.E.

**SMART**, reliable qualified Assistant; outdoors; one accustomed to quick Cash business; hours 9 to 9.30 for three days, Friday 10, Saturdays 11; no Sunday duty; close 1 o'clock Thursdays; permanency; also Relief man for Sunday duty, 6 to 9.30. State terms and full particulars, "N. E." (129/36), Office of this Paper.

**STOCKTAKER** wanted for Retail shop at end of December; previous experience not essential if used to Chemist's business. Francis Hallam, Ltd., High Street, Burton-on-Trent.

**UNQUALIFIED** Assistant required for Prescription Counter. Apply personally before 12, or by letter, stating full particulars of experience, to Staff Superintendent, Harrods, Ltd., 44 Hans Crescent, S.W.

**UNQUALIFIED** Assistant required for good business; must be capable Dispenser and able to handle customers well; permanency. State salary required, and when at liberty, "Assistant" (124/30), Office of this Paper.

**UNQUALIFIED** Assistant required as Manager for Cash business with good dwelling-house attached; rent, rates, and gas free. Applicants must give full particulars of past experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

**UNQUALIFIED** Assistant for Drug Department, preferably ineligible for the Army; short hours; no Sunday duty; high-class Dispensing and Counter work. State salary, etc., to Cater, Stoffell & Fortt, Ltd., Bath.

**UNQUALIFIED** Assistant for N.H.I. Dispensing and Counter; hours 8.30 a.m. to 9.30 p.m.; outdoors; state age, experience, and salary required. Apply, "W." (127/5), Office of this Paper.

**WANTED**, Assistant for high-class Photographic business; must be over age or otherwise ineligible for the Army; excellent prospects and good salary to suitable man; easy hours; previous experience preferred but not essential. Watson's, 84 High Street, Sheffield.

**WANTED**, Junior or Improver (not eligible for Army) for Country Pharmacy, with Post Office attached; lady with knowledge of Post Office not objected to. State age, experience, references, and salary (outdoors), etc., Chapman, Winterton, via Doncaster.

**WANTED** (at once), lady Assistant or Junior in Chemist's business; outdoors; weekly half-holiday. Apply, stating salary and experience, to 126/10, Office of this Paper.

**WANTED**, for progressive North London business, qualified Manager, with view to Purchase, Partnership, or otherwise, present proprietor being too occupied to give business proper attention; hours of business moderate; outdoor vacancy, or upper part of premises at the disposal of Manager; another Assistant kept. 126/40, Office of this Paper.

## WHOLESALE.

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**A VACANCY** occurs on the staff of R. W. Greff & Co. for a lady with Dispensing experience; commencing salary 27s. 6d. per week; hours 9.15 to 5.30. Apply, by letter, stating age, education, and experience, to R. W. Greff & Co., Thames House, Queen Street Place, E.C.

**ACTIVE** and intelligent man wanted to make himself generally useful in the Warehouse; preference given to one acquainted with the handling and storing of stock. Write full particulars of age, experience, and wage required to 129/29, Office of this Paper.

**ALLEN & HANBURY'S, LTD.**, Manufacturing Chemists, require a thoroughly experienced lady Forewoman to take charge of their Packing Departments at Ware, Herts; the position demands a good disciplinarian, and it is essential that applicants should have occupied a similar position and be accustomed to the control of a large number of girls. Apply, by letter, stating fully experience, age, and salary required to "W. R. D." (66/26), Office of this Paper.

**CAPSULE** Maker, experienced in hand-made Gelatine Capsules, required as Foreman of the department; permanency; good wages. Apply, stating age, experience, and full particulars to the Standard Tablet and Pill Co., Ltd., Hove.

**COUNTERMEN**, experienced Wets and Dries; also Packers; good wages and permanency for suitable men. Apply, Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

**FOREMAN** wanted for town Despatch Department; must know London and suburbs well. Apply, stating age, experience, and wages required, to Box 20883, Haddon's Advertising Offices, Salisbury Square, London, E.C.

**INSTRUMENTS**.—Wanted, a gentleman to Manage the Instrument Department of a Wholesale house in the provinces; must be capable of measuring and fitting Artificial Limbs and Orthopaedic Appliances, and also have a thorough knowledge of the Management of the Instrument business. Apply, giving fullest particulars as to experience, salary required, etc., 67/68, Office of this Paper.

**L**ABORATORY Assistant, accustomed to make up private formulae, etc. Address, stating age, experience, and wages required, to "B." (68/64), Office of this Paper.

**P**ACKER (Export), wages 30s., wanted by London Wholesale Druggists' Apply, stating full particulars, to 129/39, Office of this Paper.

**R**EPRESENTATIVE wanted for Birmingham and district, to take over connection; must have a good knowledge of the Druggists' Sundries trade. Apply with full particulars, Chemists' Sundries, Ltd., Manchester.

**R**EQUIRED at once, in the Laboratory of a Wholesale Druggists, a capable man accustomed to the making of Pharmaceutical preparations, etc. State wages and experience 129/35, Office of this Paper.

**S**ALESMAN and Manager wanted in a Wholesale General Ware house; must have full knowledge of Fancy Perfumery, Soaps, etc., and be non-eligible for military service. Write, giving full particulars as to age, salary required, and experience, 129/22, Office of this Paper.

**T**ABLET Room.—Wanted, an experienced Assistant to work machines and Sugar and Chocolate Coat if required. Address, stating age, experience, and wages required, to "B." (68/64), Office of this Paper.

**T**RAVELLERS wanted to Represent Wholesale House in Packed Goods and Proprietaries for Scotland, Ireland, Wales, and South-West and Northern Counties; commission and part expenses; must furnish full particulars and first-class references, 66/10, Office of this Paper.

**W**ANTED, Forewoman (working), to superintend girls packing Surgical Dressings and Druggists' Sundries; must be thoroughly acquainted with the goods. Apply, Galen Manufacturing Co., Ltd., Wilson Street, New Cross, S.E.

**W**ANTED, for January, first-class Salesman with Pharmaceutical training; must be experienced. Write, with fullest details, stating salary required, to "Duro" (123/36), Office of this Paper.

**W**ANTED, an experienced youth to assist in putting up and despatching surgeons' orders. Apply, stating age, experience, salary required, recent reference, when disengaged, Wharram, Ltd., 115 Vicar Lane, Leeds.

**W**HOLESALE Druggists and Manufacturers.—Capable man wanted for Manufacturing; Steam Laboratory experience essential; must be ineligible for Army service; permanency and good opportunity for good man. Apply, 62/2, Office of this Paper.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**S**PLENDID opportunity; young man, willing to be trained, to Manage Branch abroad; quick-selling Proprietaries; must be expert Correspondent and possess original ideas, tact, and energy. Apply, with full particulars of experience and salary wanted, Veno Drug Co., Ltd., Manchester.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]  
RETAIL.

**A**.—ASSISTANT; unqualified; 30; healthy; ineligible; experienced; disengaged; urgent. 644 Wandsworth Road, Clapham, S.W.

**A**SSISTANT, unqualified, 27, desires situation; London preferred; experienced in N.H.I., Dispensing and Retail; outdoors; disengaged January 3. 124/25, Office of this Paper.

## XMAS HOLIDAYS.

Next week advertisements for this Supplement can only be received up to

2 p.m. on THURSDAY, DECEMBER 23.

Any announcements that come to hand after that will be inserted in the Supplement of January 1.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**A**SSISTANT or Locum; unqualified; age 44; excellent experience; good references. Apply, "F. D." (126/24), Office of this Paper.

**A**SSISTANT, unqualified, married, 44, competent Dispenser, Prescriber, Extractor, Photography, requires permanency; good references. 127/15, Office of this Paper.

**C**HEMIST; qualified; disengaged; abstainer; experienced; Extractor. Avory, 164 Edmund Street West, Rochdale.

**C**HEMIST-OPTICIAN (M.P.S., D.B.O.A.); 29; tall; experienced in all branches; undeniable references; temporary or permanent. M. H. Bennett, 26 Electric Parade, Clacton-on-Sea.

**C**OMPETENT and reliable Managing Assistant (unqualified) desires permanency; first-class Salesman and Counterman; long experience in high-class and latest Store business; married; age 40. "W.", 60 Walm Lane, Willesden Green, N.W.

**D**ISPENSER requires re-engagement; experienced; Doctor or Chemist, 111 Bridge Road, Battersea, S.W.

**H**OSPITAL or Chemist; qualified; 42; disengaged January 15. "Northern" (124/16), Office of this Paper.

**I**MPROVER (ineligible) wants situation; good references. Evans, 30 Pleasant View, Wattstown, Rhonda.

**J**UNIOR; 21; high-class Dispensing, Retail, Photography; ineligible for Army; disengaged. 127/10, Office of this Paper.

**L**ADY Dispenser (qualified) desires post in Bristol; Doctor Institution, or Chemist; eight years' experience; excellent testimonials. Bird, 8 Freemantle Place, Cotham, Bristol.

**L**ADY Dispenser (young), Hall qualifications, desires post; two years' experience. Apply, "J." (129/7), Office of this Paper.

**L**ADY Dispenser, experienced, desires Part-time post in or near Ipswich; no Counter work; moderate salary. M. Griss, 52 and 54 Fore Street, Ipswich.

**L**ADY (unqualified) desires post as Assistant to Dispenser; indoors; opportunity study; small salary after first month. Miss A., 134 Eastbourne Road, Darlington.

**L**ADY Dispenser, qualified, experienced, desires post; Doctor or Chemist; near London preferred. 129/20, Office of this Paper.

**L**OCUM work undertaken; elderly; open January 3. Hepworth, 18 Royland Road, Loughborough.

**L**OCUM, Part-time; unqualified; 31; experienced; take charge; ineligible; free. "Statin," 204 Ebury Street, Pimlico, S.W.

**L**OCUM; 25; January; ineligible. Harrison, 4 Ferndale Road, Clapham Road, S.W.

**L**OCUM; qualified (Minor and Hall); Hospital or Pharmacy; excellent experience; abstainer. "London" (129/30), Office of this Paper.

**M**ANAGER; unregistered; 42; liberty shortly; 4 years' present berth; good Salesman. "X." (124/32), Office of this Paper.

**M**ANAGER wants situation; up-to-date trading; experienced Buyer; used to controlling staff; Major qualification. Write, "Chemist," 116 Spring Street, Bury, Lancashire.

**P**ART-TIME lady Dispenser (Hall certificate); experienced; London or suburbs; Miss L., 3 Culross Street, Park Street, W.

**P**ART-TIME; evenings from 7 p.m.; qualified; first-class experience; W. or N.W. preferred. 129/34, Office of this Paper.

**QUALIFIED** Manager seeks well-paid post (part commission preferred) in London district; exceptional business-bringing experience; high-class Store or Family trade; untiring worker; highest testimonials. 123/6, Office of this Paper.

**QUALIFIED:** Store Superintendent or Dispenser; short hours; Midlands preferred; January 1916. 124/27, Office of this Paper.

**QUALIFIED** lady Dispenser: Whole- or Part-time. Nicol. 51 College Road, Hampstead.

**QUALIFIED:** 42; single; Dispensership or Superintendency preferred. "Chemist," 1 Robinson's Place, Woodbrook, Oldham.

**QUALIFIED:** Locum, permanency; as Manager preferred; Extractor; past enlistment age; married, no children; wage £3 5s. or equivalent; disengaged 20th. "Chemist," 10 Osborne Road, Forest Gate, E.

**QUALIFIED** (young); Dispensing; Institutions considered; January 3; W. or S.W. "Statim," Rosedene, Atherfold Road, Clapham.

**QUALIFIED:** 33; single; rejected recruit; disengaged; tall; varied experience. 127/14, Office of this Paper.

**QUALIFIED** (27), 12 years' experience, desires position as Dispenser or in laboratory. 127/8, Office of this Paper.

**QUALIFIED,** married, 37, first-class experience, smart appearance, seeks appointment after Christmas. 129/21, Office of this Paper.

**RELIABLE** qualified Locum; disengaged; 33; day, week, month. "Pharmacist," Tongwynlais, Cardiff.

**UNQUALIFIED:** aged 46; life abstainer; good all-round experience, Prescribing, Optics, Photography, Window-dresser; town or country; able sole charge; married; permanency. 126/29, Office of this Paper.

**UNQUALIFIED:** reliable, experienced; Branch Manager; live on premises preferred; married, no family. 127/11, Office of this Paper.

**WANTED** (early in January), Evening situation near Westminster College. "XL" (123/29), Office of this Paper.

## WHOLESALE.

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**ACTIVE** energetic Traveller, ineligible for service, desires position in January; has covered, and is well known through, South Coast, Midlands, and Eastern Counties; good references. Address, "Salesman" (127/37), Office of this Paper.

**CHECKER:** Wholesale Druggist and Sundries; ineligible; salary 32s. 126/22, Office of this Paper.

**CHEMIST** (ineligible), with highest commercial and shipping experience, and many years in Wholesale Drug trade, practical knowledge of four languages, offers Part-time services for moderate remuneration. Lloyd, Broad Street House, E.C.

**COUNTRY** Traveller, South and East Coast ground, desires additional house, Drugs, Sundries, or Specialities, where the connection already exists; no side-lines entertained; salary and expenses mutually arranged on economic basis; age 49 not out. "Cinchona" (126/25), Office of this Paper.

**MANAGERSHIP.** Supervisor, or similar position; Proprietary, Sundries; 16 years' Retail experience; married. 127/33, Office of this Paper.

**TRAVELLER** (not eligible) open for engagement for the New Year; connection South and West of England. 121/22, Office of this Paper.

**TRAVELLER,** qualified man, just above enlistable age, excellent experience, connection, and references, now disengaged; all-round knowledge Drugs, Essences, Perfumery, Sundries, Disinfectants, etc. "Cassia" (127/29), Office of this Paper.

## MISCELLANEOUS.

**SECOND-HAND** Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

**SHOPFITTINGS** (SECOND-HAND).—12-ft. Mahogany and Plate-glass Serving Counter, £9 10s.; Mahogany and Plate-glass Perfumery Showcase and Desk, Mirror back and Plate-glass shelves, 58s.; 8-ft. Mahogany and Bent Plate-glass Counter-case, with Display and Serving Shelves, £6 17s. 6d.; 10-ft. handsome Piano Wall Showcase, great bargain, £21; quantities of other cheap lines. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

**BEST** cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

**MCQUEEN'S** A.B.C. System of Accounts; works out profit and loss account, balance sheet, etc., with guaranteed certainty; gives exactly what Surveyors of Taxes want, and is a remedy for over-assessment; practically automatic Bookkeeping; 12th edition. Particulars and testimonials free. McQueen & Co., Moat Road East, Leicester.

**CHEMISTS' Fittings.**—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass-front Counters, Perfume-cases, Desks, Counter Drawers, Shelves, Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacies. GEORGE COOK, The Chemists' Working Shopfitter, Oatherine Street, City Road, London, E.C.

**CHEMISTS' Fittings;** second hand; large stock of high-class Drug Fittings, Piano Wall Cases, Dispensing Screens and Counters, Glass Counters, Counter Cases, Perfumery Cases and Desks. Silent Salesman; absolute bargains; cheapest house for Window Enclosures, Mirrors, Glass Shelves, Modern Shopfronts, Improvements, etc. Plans prepared; Estimates free. Mills' Shopfront, Shopfitting, and Glass Facia Works, 163 and 165 Old Street, London, E.C. Phone, London Wall, 550.

## WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

### TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

### WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

### THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Metal (Hauff.) (129/28) Pot. permang. (129/28)  
Rodagen, 2 or 4 oz. (129/15) Sodii salicylat. (129/28)  
Pot. brom. (129/28)

### FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid, acetylsalicyl., 6 oz. (126/11) Diuretin, 1 oz. (124/29)  
Acid, salicyl., 5 oz. (126/11) Euophen, ½ oz. (124/29)  
Acitrin tabs. (Bayer), 5×20's (124/29) Hehnitol, 1 oz. (124/29)  
Aspirin (Bayer), 1 oz. (124/29) Hydroquinone, 3 lb. (129/28)  
Atophan, 7½ gr., 1×20 (124/29) Phenacetin, powder or crystals (123/2)  
Bromural, ½ oz. (124/29) Potassium bromide (123/2)  
Citatin, 1 oz. (124/29) Quin. sulph. (Howards'), 100 oz. (129/28)  
Trigemin, ½ oz. (124/29)

# EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.  
No advertisement inserted for less than 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

## FOR DISPOSAL.

### BOOKS AND PERIODICALS.

FOR sale, Southall's materia medica collection; quite new; cost £2; what offers? Turner, 35 High Street, Bridgworth.  
WHAT offers? five vols. Dr. Wilson's "Household Physician," bound, illustrated; new condition. Bowler, 14 Moor Street, Burton-on-Trent.

### DRUGS AND CHEMICALS.

2 lb. acetylsalicylic acid, 42s. lb., 3s. oz. Guest, Chemist, Prestwich.  
OVERSTOCKED.—About 2½ lb. bismuth. carb.; low price accepted. 126/19, Office of this Paper.  
TWO 100's sulphonal tablets (B.W.), 12 25's sulphonal tablets (Cox); what offers? Griffith, Shepton Mallet.  
9 doz. 25's British aspirin tablets, 13s. doz.; 5 100's aspirin (B. W. & Co.), 4s. 6d. each; 9 oz. tab. trional gr. v., 13s. 6d.; ½ lb. salol, 20s.; 6 oz. beta-naphthol, 10s.; 8 oz. tab. sulphonal gr. v., 15s.; 2 oz. resorcin, 7s. 6d.; 5 lb. ext. bellad. viride (B. W. & Co.), 6s. per lb. Liddell, Pharmacist, Buxton.  
1 oz. morphine acet., 15s.; 4 oz. sulphonal (Bayer), 10s.; 2 oz. bals. peru, 3s.; 4 lb. potass. ferrocyanid., 9s.; 5 oz. sodii bromid., 2s. 10d.; 1 oz. cinchonine sulph., 1s. 6d.; 2 oz. zinc. valerian. crys., 3s.; 1 oz. oil. sabin., 2s.; 1 oz. argent. oxid., 4s. 6d.; 1 oz. heberine sulph., 1s. 6d.; 1 oz. butyl-chloral hydras, 2s. 9d.; 1 lb. calc. hypophos., 2s. 7d.; 2 oz. bromidia (U.S.), 1s. 6d. 127/2, Office of this Paper.

### OPTICAL AND PHOTOGRAPHIC.

RADIOPTICIAN, Junior Electric, No. 411; new. Offers to Darney, Pharmacist, Jesmond, Newcastle-on-Tyne.  
"OPTIMUS" lantern (as new); mahogany body, 3-wick lamp, gas jet, slide carrier; complete in wooden case, lock and key; portable stand for 7-feet screen; price £2 10s. the lot Robinson, 1 Stanhope Road, Darlington.

### MISCELLANEOUS.

WHAT offers? 7 tooth forceps in pouch, 2 doz. W. & N. mouthed shop-rounds, 1 doz. 8-oz. blue and white shop-jars. Hasselby, Hastings.  
CHEMICAL balance (Becker); 100 gr.; accurate; complete with weights; glass case, with drawer; £4 4s. cash. Mascarenhas, Broad Street House, E.C.  
"RECORD" antitoxin syringe, 10 c.c., complete in case; also tuberculin syringe similar to "Record," 1 c.c., graduated in one-tenths, complete; both as new and unused; what offers? 123/23, Office of this Paper.

## WANTED.

ANILINE dyes, large or any odd lots, for cash. Lean, Chemist, Burton-on-Trent.  
WANTED, Jersey Cologne bottles, 4½ oz. Sample and price to Evans, Chemist, Margate.  
WANTED, a few gross of 3ij., 3ss., and ʒj. W.M. bottles; white glass. "E." (113/6), Office of this Paper.  
ANALYTICAL balance, 200 grm., sensitive to ⅓ milligram; also minor herbarium; good conditions. 124/21, Office of this Paper.  
OPTICAL books; Minor, Major. Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.  
WANTED, second-hand latest editions Muller's "Chemistry," Greenish's "Materia Medica," Lucas's "Pharmacy," "P., 54 St. Mary Axe, London, E.C.  
SURPLUS stock chemicals, drugs (these in original package and unopened only), packed goods, soaps, perfumes, sundries, etc. Delmas & Co., Burlington House, Hinkley Road, Nuneaton.

## India and the East.

(From the "C. & D." Correspondents.)

BUSINESS is remarkably good in Bombay at present (writes our Indian correspondent on November 20), and a large number of British drug-travellers are on the spot to do it. During the last ten days there has been a good deal of speculation in quinine, and the dealers are asking up to Rs. 40 per lb., but at the above date small lots were obtainable at Rs. 32 per lb.

COLONEL W. T. GRICE, senior partner of Smith, Stanistreet & Co., Calcutta, and C.O. of the 1st Calcutta Volunteer Rifles, was returning home on the morning of November 18, after parade, when a stirrup-leather broke and his horse bolted. Colonel Grice was thrown heavily, severely grazing his head and one arm and his back. He was removed to his residence, where he is being treated by Colonel O'Kinealy, I.M.S.

## South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

### The Union.

THE IMPORTS of drugs, chemicals, and apothecaries' wares into the Union of South Africa during August amounted in value to 101,582l., against 50,944l. in August 1914, and for the eight months ended August 31, 1915, the imports were valued at 698,166l., against 597,923l. for the same period of 1914. The improvement applies more to industrial chemicals than to apothecaries' wares and medicinal preparations, the imports of the latter for the eight months being valued at 77,891l., against 78,851l. in 1914. Over 7,700,000 lb. of crude and dynamite glycerin was imported during the eight months.

### Cape Province.

KIMBERLEY CHEMISTS' ASSOCIATION.—Mr. G. Smith Houghton has been elected President of the Northern District (Kimberley) Chemists' Association, and Mr. J. Parry has been re-elected as a member of the Board of Pharmacy to represent this area.

## German News.

PROFESSOR DR. WILHELM OSTWALD has, for reasons of health, retired from the chairmanship of the German Association of Monists, and is succeeded by Dr. Müller-Eyer.

E. MERCK'S ANNUAL REPORT for 1914 has just appeared. Except two extensive articles on galls and their active principles and on papaverine and its application, the Report is devoted to the usual notes on drugs and chemicals.

SUPPLY OF SULPHURIC ACID.—In order to ensure regular supplies of this acid for agricultural, industrial, and military purposes during the war, the Government on November 13 gave effect to the results of experiments with raw materials found in Germany. These have shown that the acid can be made from gypsum and kieserite at the same cost as from imported pyrites, but the factories must be altered for this purpose. About 3,500,000m. is required, and this sum has already been granted by the Government. A "Verwaltungsstelle für private Schwefelwirtschaft," a subdivision of the "Kriegschemikalien-Aktiengesellschaft," is entrusted with the distribution of sulphuric acid, inspection of the rebuilding of factories, and cognate matters.

FAT-FAMINE.—The "Pharm. Ztg." wonders why the new measures which have been put into force with regard to the distribution of fixed oils and fats (C. & D., December 11, p. 38) do not apply to oil of theobroma, almond oil, beechnut oil, and mustard oil. The Imperial Chancellor is authorised, however, to extend the provisions to other fats and oils. In justification of the high prices of soap in Germany, the "Drogenhändler" states that fat for soap-making that could be bought at 50m. per 100 kilos in August 1914 is now 300m. per 100 kilos. In the same period the price of oil has advanced from 52m. to 320m. The soap-manufacturers have advanced the price of household soap from 60m. to 220m., and of soft soap from 44m. to 150m. per 100 kilos.

**THE SELLING POWER**  
— OF THE —  
**WIGGLESWORTH WAY**  
HAS COMPELLED  
**OUR REMOVAL**



FROM ROSEHILL WORKS, BOLTON  
TO PREMISES WHICH PRESENT  
THE ADVANTAGES OF  
FIVE TIMES THE FLOOR SPACE—PLUS  
THE LAST WORD IN EQUIPMENT FOR  
:: THE MANUFACTURE OF ::  
TABLETS CAPSULES  
PHARMACEUTICAL PREPARATIONS.

ALL COMMUNICATIONS SHOULD NOW BE ADDRESSED  
**WIGGLESWORTH & CO.**  
**WEST HOUGHTON - LANCs.**

TO WHOLESALE &amp; EXPORT TRADES.

ESTABLISHED 1846.

Extracts  
Tinctures in Bond



Resins  
Essential Oils

**WILLIAM RANSOM & SON, LTD.,**

MANUFACTURING PHARMACEUTICAL CHEMISTS,

Distillers of Essential Oils and Cultivators of Medicinal Plants,

HITCHIN, near LONDON.

Telephone: 90 HITCHIN.

**50 YEARS' REPUTATION.**

**FENNINGS' CHILDREN'S POWDERS.**

ADVERTISED EVERYWHERE.

READY SALES.

A supply of Fennings' "EVERY MOTHER'S BOOK" or Counter Bills (both with Agent's Name and Address), or Showcards, sent carriage free on application to

**ALFRED FENNINGS, COWES.**

*A guarantee* **Cadbury's Cocoa Essence** *(unflavoured)*  
*is absolutely pure & prepared only from the finest selected Cocoa*

**Christmas 1915**

**T**O their friends and customers  
the World over —  
**GOODALL, BACKHOUSE & CO.**  
wish a Happy Christmas and a  
**Prosperous New Year.**

Proprietors of Yorkshire Relish,  
Goodall's Household Specialities,  
and Goodall's Packed Goods,  
Drug and Spice Grinders,  
Tin Box Makers,

Drysalterns and Druggists',  
Sundriesmen, Dealers in Pure  
Drugs, Chemicals, Essential Oils,  
Patent Medicines, and  
Pharmaceutical Preparations.

White Horse St., Leeds; & 54 Southwark St., London, S.E.

# GOODWILL GREETINGS

1914

THE CHEMIST AND DRUGGIST

1915

As they appeared in the issues of December 19 and 26, 1914, and January 2 and 9, 1915, of THE CHEMIST AND DRUGGIST.

## Allen & Hanburys Ltd.,

Take this opportunity of wishing  
their friends the Compliments  
of the Season, and increased pros-  
perity during the Coming Year.

**BUYERS OF**  
**Norwegian Cod-Liver Oil**  
**Chemical Food**  
**Extract of Malt and Cod-Liver Oil**  
**Cod-Liver Oil Emulsion**  
**Extract of Malt**  
**Compound Syrup of Figs**

**ARE INVITED TO  
WRITE FOR  
SAMPLES and TERMS.**

□ □ □

*A Distinct Style of  
Label can be reserved  
for a Chemist in his  
Locality. Special Prices  
to Buyers in Quantities  
forwarded on request.*

**Allen & Hanburys Ltd., Bethnal Green.**



Xmas 1914.

By looking facts in the face, and by taking strong measures to meet an unprecedented situation, the future prosperity of the British drug and chemical industries is assured.

We congratulate all in Pharmacy and the Chemical industry on their courage and resource during the trying time of the past year, and we look forward with confidence to the triumphs of 1915.

MELBOURNE  
SYDNEY  
ADELAIDE

*The Chemist & Druggist.*  
42 Cannon Street,  
London, E.C.



# THE NEW YEAR

"A guid new year tae ane an' a',  
An' mony may ye see."

(Reprint of Editorial in "The Chemist and Druggist" of January 2, 1915.)

THE sentiment is the universal desire of all who owe allegiance to the British Crown, wherever they be. "A Good Year" may 1915 be. We know as we enter it that it is fateful to a world out of joint, and that every one of us have some sacrifice to make for the Old Country and the Empire, but we are united in determination to do everything that lies in our power to maintain the freedom which is our ancient heritage, and to share the benefits with others irrespective of creed and race. We have every reason to be gratified with the results of the war which Germany began against other European Powers in the last days of July. Her expressed intention of polishing off France, then Russia, was to lead up to the conquest of Britain, and that accomplished the western hemisphere would have been next on the list, for "Peace on earth" meant to the Kaiser peace in a universal Germanic dominion. After five months of such warfare as the world has never before seen, and for which Germany alone was ready and ripe, we see that her plans have utterly failed. Her efforts have, so far as we are concerned, simply cemented the integral parts of the British Empire more firmly than they have ever been before, and have knit together for self-protection against a cruel and relentless enemy six nations of the Old World. The year 1914 closes better and happier than many people thought it would. We Britishers had little right to expect this: our Army was numerically small, but in quality far from contemptible. Quality tells, it did in this instance, and Belgians, British, and French have vied with each other in courage and endurance. These qualities will not fail us in the New Year, and it is for us who remain at our customary pursuits to continue the confidence, patience, and support which have meant so much to our Army and Navy, and which have contributed to our commercial and financial stability during the past five months. The business of pharmacy has shared in that stability. Those who have not relaxed their efforts have suffered little. The "Business as Usual" maxim has paid, particularly in the retail drug-trade. Two

months ago we said, "We are approaching the season of peace and good will, when, whatever the condition of the world at large may be, in the homes of these islands Christmas cheer will prevail. . . . This is the spirit with which chemists should face Christmas, for the British people will so approach it, and gifts both small and large will be bought." We hear from various parts that retail chemists who lacked the confidence and made no special preparation for Christmas trade have reasons to regret it, while those who were ready for the rush have scored. We are also pleased to note that our own pages have reflected the customary character in Christmas and New Year's greetings to the trade from merchants and manufacturers. The following is a list of those who have in this manner shown that business as usual, even better business, will be the lead for 1915, and that they aim to contribute to it:

Allen & Hanburys, Ltd.	Liverpool School of Pharmacy.
Stafford Allen & Sons, Ltd.	London College of Chemistry.
J. C. Arnfield & Sons, Ltd.	J. Lorimer.
Baiss Bros. & Stevenson, Ltd.	Lorimer-Marshall, Ltd.
Berdoe & Fish.	J. F. Macfarlan & Co.
Arthur Berton, Ltd.	S. Maw, Son & Sons.
Blyton, Astley & Co.	May, Roberts & Co., Ltd.
Boulton Macro, Ltd.	N. W. Mitchell & Sons, Ltd.
H. Bronnley & Co., Ltd.	Francis Newbery & Sons, Ltd.
W. Browning & Co.	Northern College of Pharmacy.
Burge, Warren & Ridgley, Ltd.	Orridge & Co.
E. Burgess.	W. T. Owbridge, Ltd.
H. W. Bush & Co., Ltd.	Paine & Co., Ltd.
E. Cook & Co., Ltd.	Potter & Clarke, Ltd.
A. H. Cox & Co., Ltd.	W. Ransom & Son, Ltd.
Daisy, Ltd.	Sangers.
Duncan, Flockhart & Co.	T. & H. Smith, Ltd.
W. Edwards & Son.	Standard Optical Co.
Erasmie Co., Ltd.	Suttley & Silverlock, Ltd.
Eueryl, Ltd.	T. Swales.
Evans Sons Lescher & Webb, Ltd.	Thos. Tyrer & Co., Ltd.
Goodall, Backhouse & Co.	Ucal.
Thomas Harley.	Vinolia Co., Ltd.
Horlick's Malted Milk Co.	Westminster College.
Howards & Sons, Ltd.	
Idris & Co., Ltd.	

## THE NEXT OPPORTUNITY

for advertising Goodwill Greetings to  
the Trade will be in the Issues of

### THE CHEMIST AND DRUGGIST

for December 18 and 25, 1915, and January 1, 1916.

FULL PARTICULARS FROM

THE PUBLISHER, 42 CANNON STREET, LONDON, E.C.



*Allen's English*  
*Greetings*  
to  
*Our Allies*  
and to our  
*Friends & Fellow-Citizens*  
of the  
*Empire.*

**Stafford Allen & Sons, Ltd.**

COWPER ST., FINSBURY, LONDON, E.C.

*Flower Farms & Distillery, Long Melford.*

# J.C. ARNFIELD & SONS



## LIMITED



TEL. NO: 601  
2 LINES.

TELEGRAMS:  
"CHEMICALS"

MANUFACTURING CHEMISTS  
WHOLESALE & EXPORT DRUGGISTS

GADSBY'S WORKS PRINCES ST.

ESTAB-  
LISHED  
1786.



## STOCKPORT



*If your galenicals are right you  
have the confidence of the medical  
profession and of the general  
public. We can supply the  
right galenicals and so ensure*

**MUTUAL PROSPERITY  
IN 1915**



INF. GENT. CO. CONC.  
SYR. HYPOPHOS. CO.

EXT. ERGOTÆ LIQ.  
EMULSIO OL. MORRH.  
(IN BULK)

ETC. ETC.

  
1833


*BETTER BUSINESS*  
*and*  
*BETTER PROFITS*  
*with*

**BAISS**  
PRODUCTS.

*There is no need to bewail the fact that Continental supplies are cut off. We can supply Drugs, Fine Chemicals, Galenicals, Packed Specialities, and Surgical Requisites at prices that will ensure*

**INCREASED PROSPERITY**

*to all our friends in the forthcoming year*

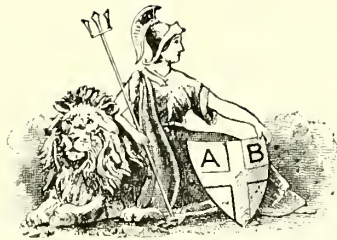
  
1915

**Baiss Bros. & Stevenson, Ltd.**

*Manufacturing Chemists & Wholesale Druggists,*

174, 175, 176 GRANGE ROAD, BERMONDSEY, S.E.

TRADE



MARK.

CONTRACTORS TO HIS MAJESTY'S GOVERNMENT.

SURGICAL  
DRESSINGS

PROMPT  
DELIVERY

CHEMISTS'  
SUNDRIES

UNIFORM  
QUALITY

**1915**  
*Seasonable Greeting  
and Best Wishes for  
a New Year of  
greater Prosperity*

**ARTHUR BERTON, LTD.**

(Formerly Arthur Berliner)

Registered Office & Warehouse ... 15 & 17 WORSHIP ST., LONDON, E.C.

Works and Factories :

Ben Mills } BURY.  
Waterford Mills } LANCS.

2a Tabernacle St. LONDON.



1913

Telegrams :  
"RENILREB LONDON."

Telephones :  
LONDON WALL - - 507.  
CITY - - - - 998.

**Laxative  
Tablets.**

**Medicated  
Pastilles.**

*New Year 1915.*

*Our resources are at  
the disposal of the Drug  
Trade to assist them to  
increased Prosperity in  
the forthcoming  
Year.*

**Menthells.**

**Plasters.**

**BLYTON, ASTLEY & CO.**

**Eagle Laboratories,  
Manchester.**

THE TRADE



MARK FOR

# PACKED GOODS

The latest—and the one that will be the seller of 1915—is described on page 115 of the “Chemist and Druggist” Diary, 1915. But we can supply all kinds of Packed Lines. Write to us, and keep business booming in the

## NEW YEAR

A Prosperous New Year to all our friends is the wish of—

*Boulton Macro, Ltd.*  
*Crayford Mills, Stratford,*  
*London, E.*

"OMAR KHAYYAM"

The Newest Perfume

22/-, 40/-, 90/-, 168/- doz nett

"VIOTTO"

The Soul of Violets

14/10, 28/7, 55/-; 103/6 doz nett

To Friends the  
World  
O'er.

# Courvoisier's

BEST WISHES

"Ess Viotto,"  
for the hands.  
7/9, 15/6, 31/- doz. net.



Delights  
everybody.

"HAVANITA"

The Perfume of the Antilles

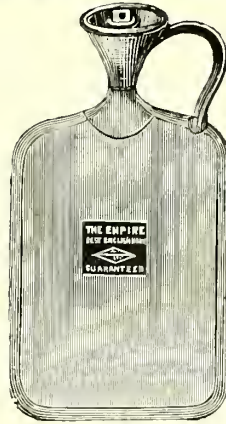
17/8, 33/-, 59/6, 112/6 doz nett

C.C. PERFUMES  
(without Spirit.)  
All Floral Odours.

27/- doz nett

WHOLESALE:  
H. Bronnley & Co. Ltd. LONDON.

*Xmas*  
1914



*New Year*  
1915

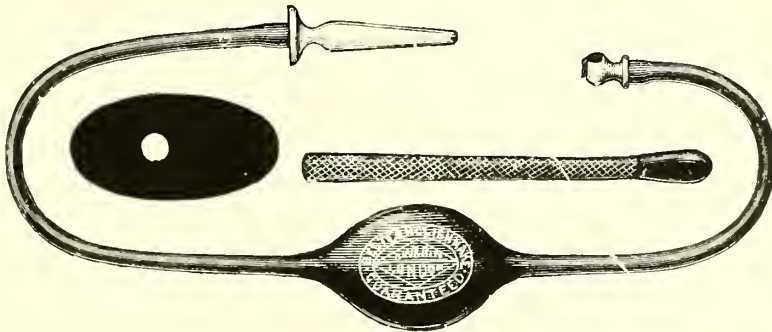
## SOUND RUBBER.

No need to be worried by  
customers complaining  
of cheap and nasty rubber  
goods if you only stick to

**Burge, Warren & Ridgley, Ltd.**

and the genuine British-  
made article. Let this  
be your Motto for 1915.

## SOUND REPUTATION.



Tel. No. :  
Central 8572.

91-92 Great Saffron Hill,  
**LONDON, E.C.**

Tel. Add. :  
"Pessaries London."



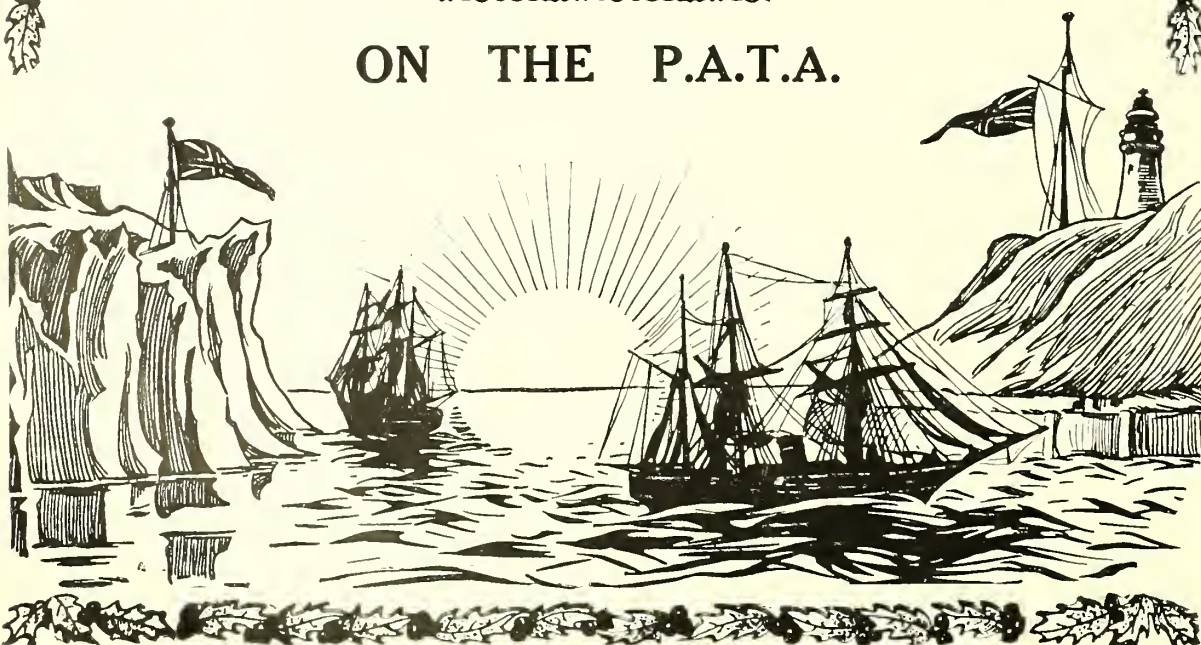
*New Year 1915.*

## A Genuine British

remedy will sell always,  
but particularly so in these  
patriotic times. Stock  
Burgess's Specialities and  
ensure the Happiness and  
Prosperity we desire for all.

**E. Burgess, 59 Gray's Inn Road, London, W.C.**

~~~~~  
**ON THE P.A.T.A.**





# A Place in the Sun

has long been secured by the "Rembrandt" Druggists' Sundries. Chemists may bask in the sunshine of Prosperity during 1915 by selling only that Brand. Mention of some of our manufactures is made on p. 43 of the "C. & D." Diary, 1915.

---

THE COMPLIMENTS OF THE SEASON

---

## Henry W. Bush & Co., Lim.

Rembrandt Works, Commercial St.,  
London, E.

HIGHEST HONOURS AT INTERNATIONAL EXHIBITIONS.



BY  
APPOINTMENT



TO  
H.M. THE KING

“Cook’s”

SOAP SPECIALISTS



LONDON

*Best wishes for a Brighter and more  
Prosperous New Year to all Chemists.*

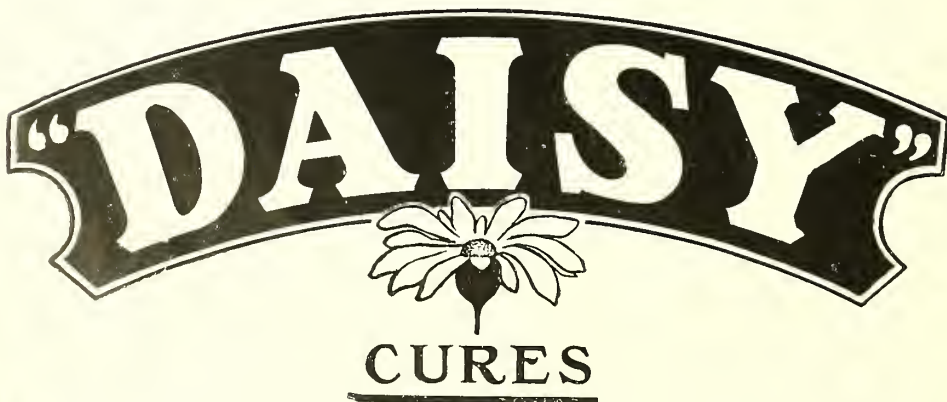
WE ARE AT YOUR SERVICE FOR “OWN NAME” AND ALL KINDS OF PROFIT-BRINGING SOAPS, &c.

# ***OUR MESSAGE.***

Wishing you a Happy  
& Prosperous New Year,  
and to our Country and  
our Allies a  
Victorious one.

***ARTHUR H. COX & CO., L<sup>TD</sup>.***  
***BRIGHTON.***

With  
Best Wishes  
for a  
Happy Christmas  
and a  
Prosperous  
New Year  
from





*May the New Year bring  
peace and prosperity to all  
our friends in the Drug Trade.*

*Duncan, Flockhart & Co.,  
Edinburgh & London.*

---

Chloroform, Ethers, Ethyl - Chloride, Pharmaceutical Preparations,  
Organo-Therapeutical Preparations.

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See pages, 241-243, "C. & D." Diary, 1915.

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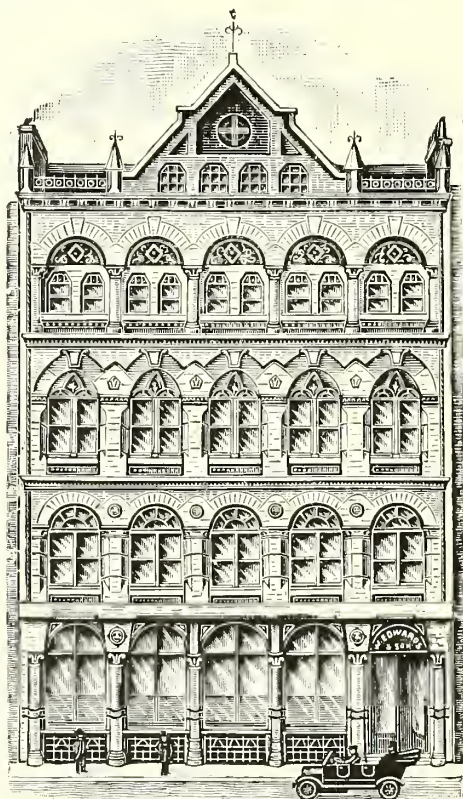
Telephones:  
Central 5698; Bank 285.

Telegrams:  
"Medicines, Cent, London."

# W. EDWARDS & SON

157 QUEEN VICTORIA STREET, and  
239 & 240 UPPER THAMES STREET, LONDON, E.C.,

Proprietary  
Articles.

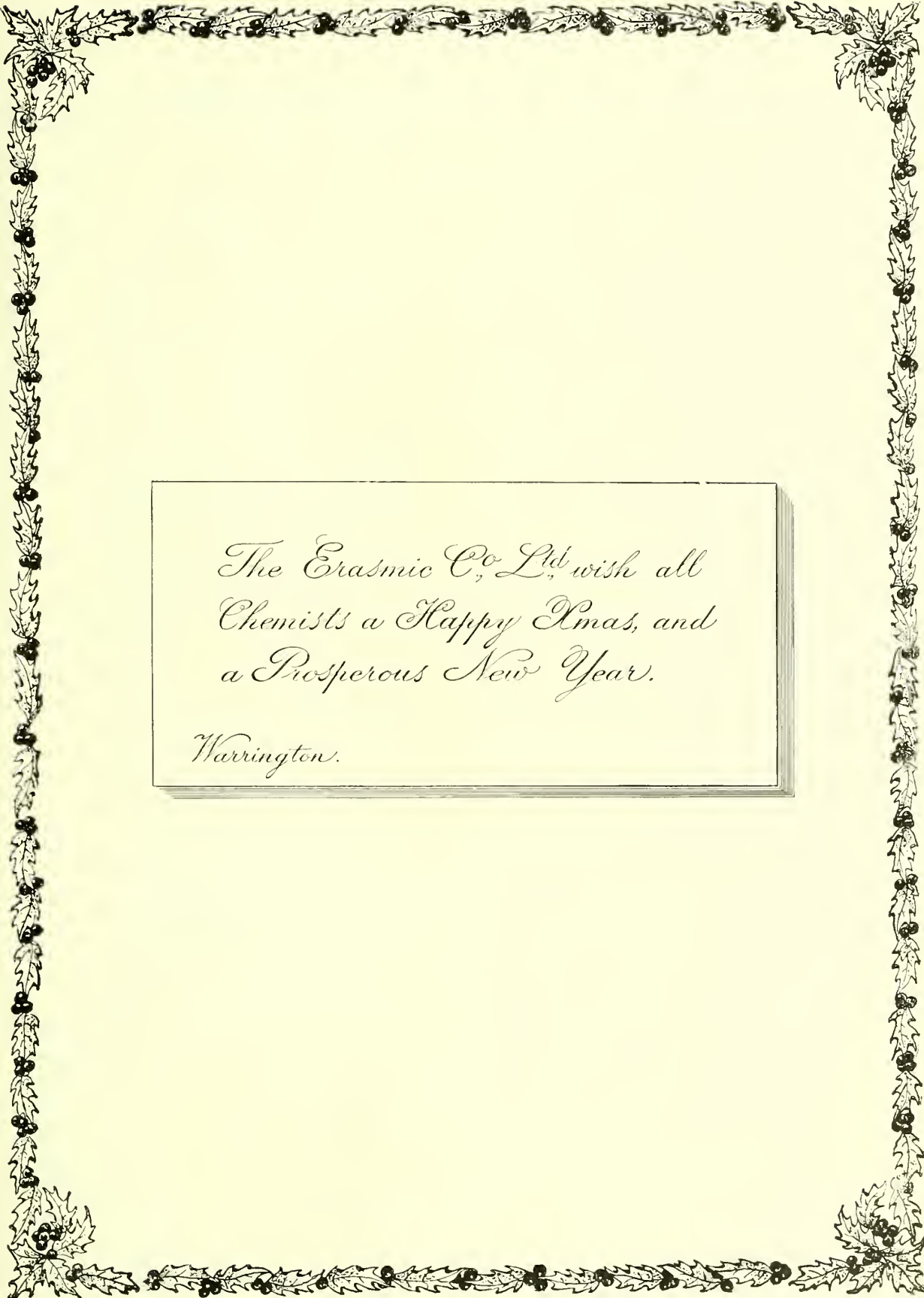


Druggists'  
Sundries.

send Christmas Greetings to their Customers and the  
Trade, with Best Wishes for a Prosperous New Year.

---

*Your Trade will not suffer  
if during the forthcoming year you have by  
you a copy of Edwards' Price List. It will  
keep you right for price, and will ensure the  
Prosperity we wish you.*



*The Erasmic Co, Ltd, wish all  
Chemists a Happy Xmas, and  
a Prosperous New Year.*

*Warrington.*

*Motto for 1915.*

**"Keep Cheerful!"**

It is not very easy  
sometimes with  
depressing news  
and slow trade, but  
you can always sell

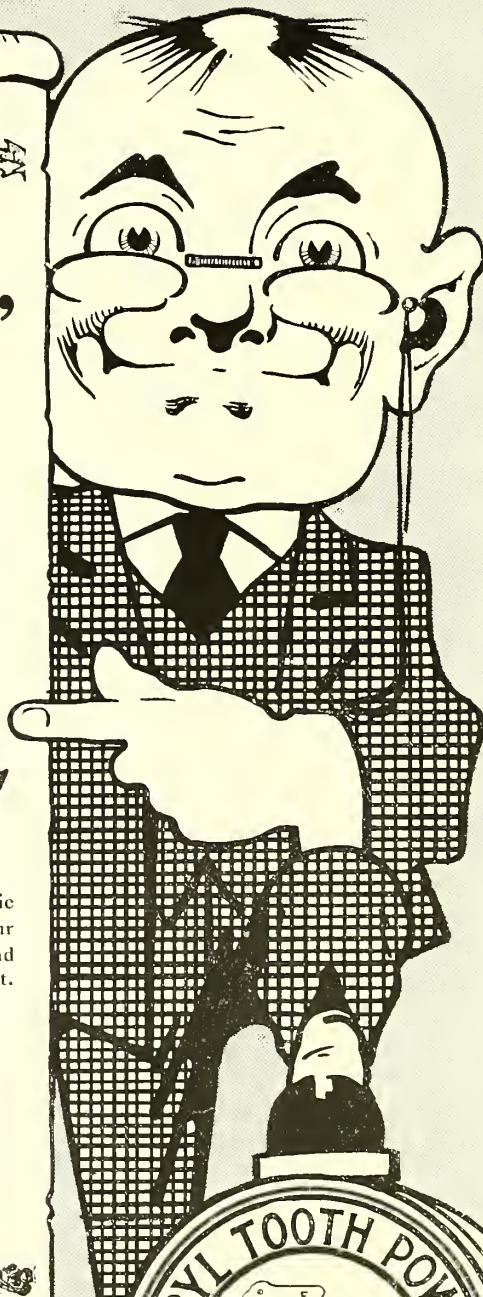
# EUCRYL

## TOOTH POWDER

Eucryl sells quickly because it is well-known to the public by name and reputation. Its quality is high. Its flavour is different. Customers always come back for more. And on each sale—firsts and repeats—you make 100 per cent. guaranteed profit on cost.

It will assist you  
to that prosperity  
and happiness we  
wish for all Chemists.

EUCRYL LIMITED,  
61-63 Lant Street, Southwark,  
LONDON, S.E.



# ***New Year 1915***

*During the forthcoming year, as in the past, the feature in Pharmacy & the Drug Trade will be*

## ***EVANS AT THE FRONT***

*The present International trouble has created new opportunities for serving Pharmacy and Chemical Industry. These opportunities are not being missed by us, and the result will be*

***Increased Prosperity for all***

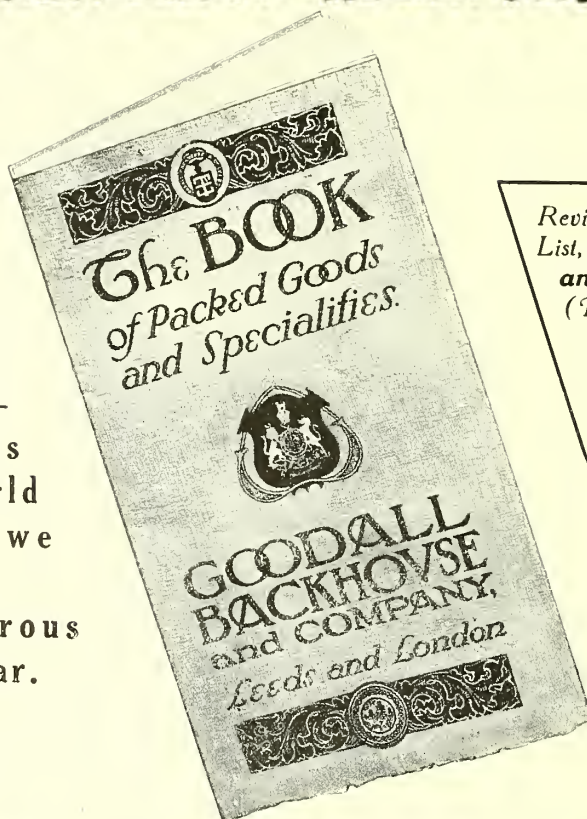
SEE PP. 143, 237, 251, 269, 306 "C. & D." DIARY, 1915

**EVANS SONS LESCHER & WEBB**

(LIMITED)

**LIVERPOOL & LONDON.**

To our  
friends  
and cus-  
tomers  
the World  
over, we  
wish a  
Prosperous  
New Year.



Reviewing this New  
List, the "*Chemist  
and Druggist*"  
(Dec. 12, 1914),  
said :—

"The List is  
well worth  
studying—  
our subscribers  
should send  
a postcard  
request  
for it."

## MORE PROFIT for 1915!

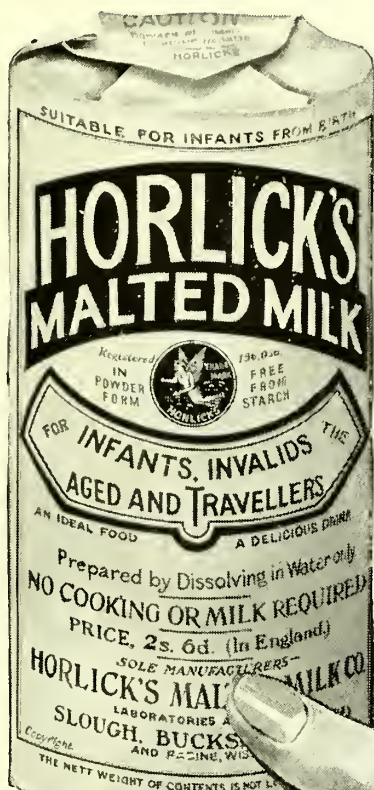
THE more strenuous competition, the higher costs of stock, and the serious reduction of turnover which accompany War, make it plain that you *must* earn unusually high profits in 1915 if your business is to "win through" unscathed.

Your problem is therefore simply—

How can I secure the essential high profits on high-quality goods sold at competitive retail prices?—and the purpose of this List is to give you efficient help in the finding of an answer. In its pages, Profits of **50%**, **60%**, and even **70%** are common.

*Send a postcard for the List to-day to*

**GOODALL, BACKHOUSE & CO.,**  
**LEEDS.**



# CONSISTENT QUALITY AND FOOD VALUE

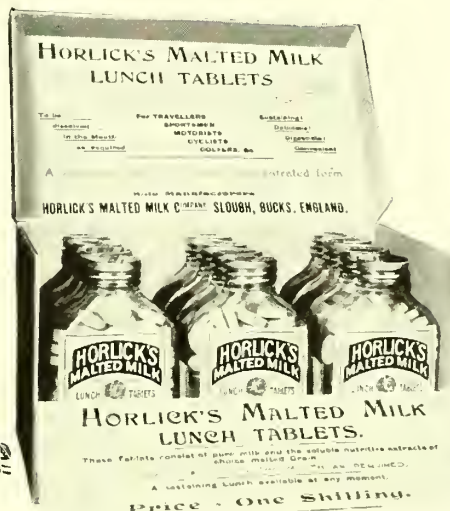
— Make —  
Horlick's Malted Milk  
a ready and  
persistent seller

It sells equally  
well in this more  
portable form,  
**LUNCH TABLETS**

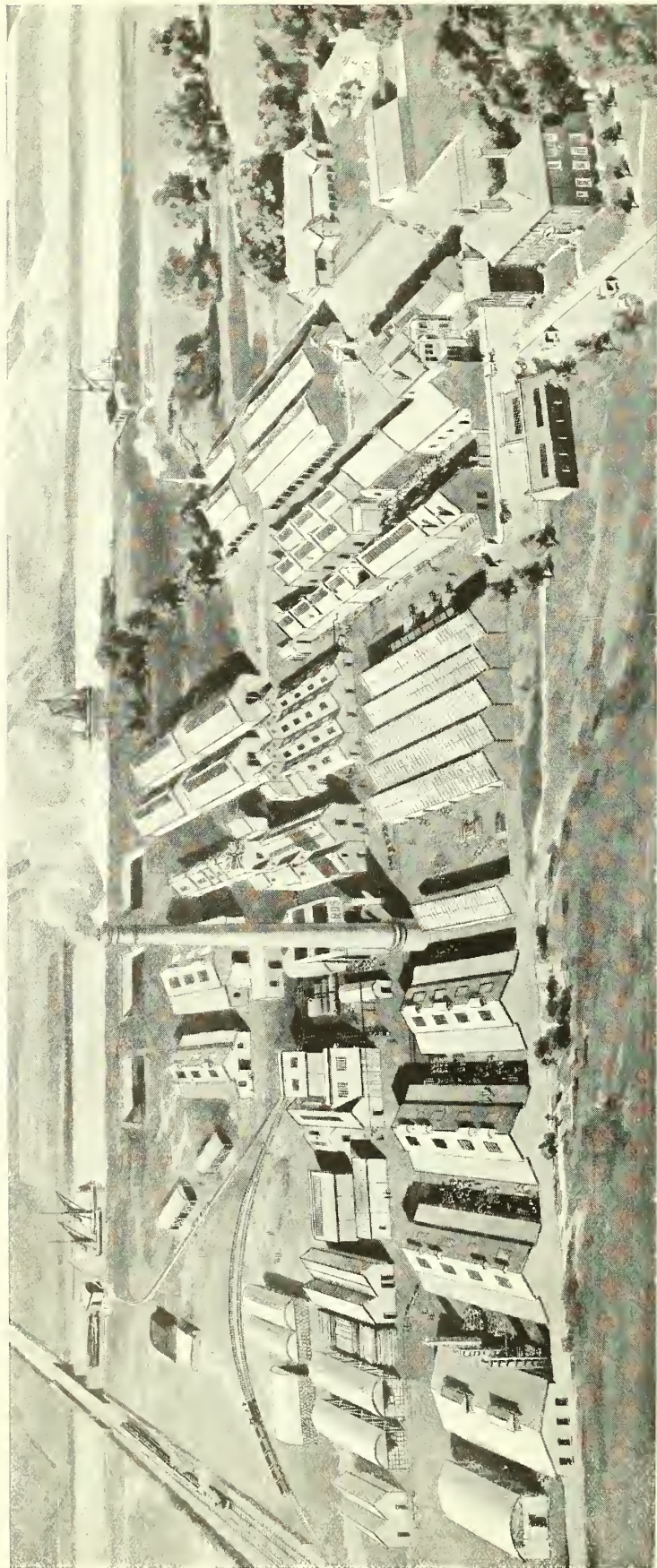
Xmas 1914.

Keep up your  
sales of Horlick's,  
and your prosperity  
will increase during  
The New Year.

**HORLICK'S  
MALTED MILK CO.  
SLOUGH, BUCKS, ENG.**



## HOWARDS' ILFORD WORKS.



WITH THESE FACILITIES FOR MANUFACTURE AND EXPANSION AND 117 YEARS OF EXPERIENCE BEHIND US THERE IS NO NECESSITY TO LOOK TO GERMANY IN THE FUTURE FOR OUR FINE CHEMICALS. WE MAKE ONLY THE FINEST QUALITY. WE NEVER LABEL AS OUR OWN MAKE ANY ARTICLE NOT ACTUALLY MANUFACTURED BY US. THE NAME "HOWARDS" IS THEREFORE A GENUINE GUARANTEE.

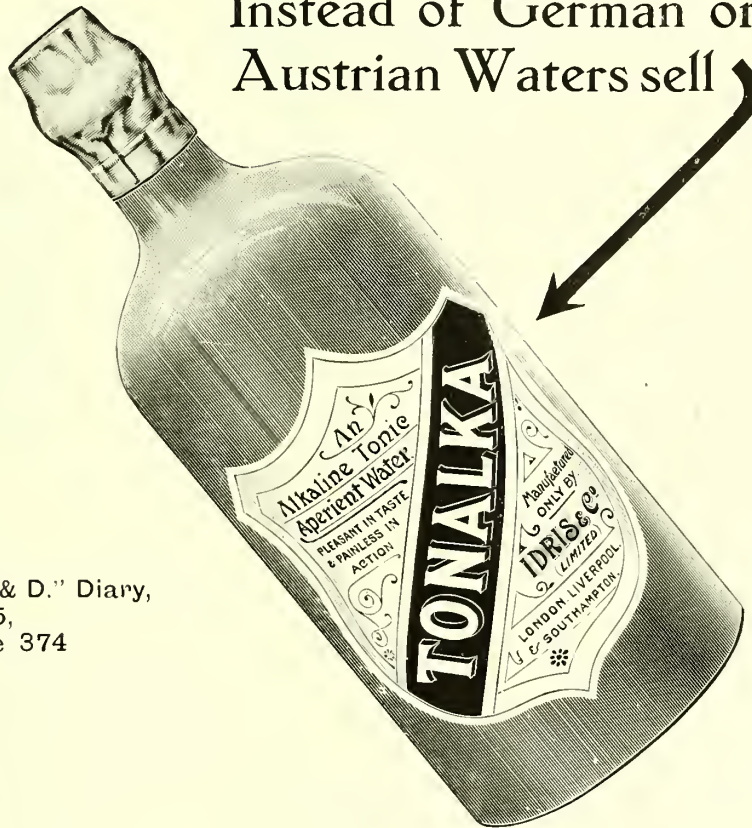
*Best Wishes to the Trade for the coming year.*

HOWARDS & SONS, LTD., ILFORD & STRATFORD.

# CARRY THE WAR

into the enemy country during 1915.

Instead of German or  
Austrian Waters sell



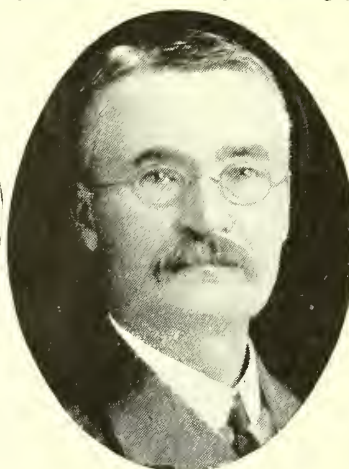
See  
"C. & D." Diary,  
1915,  
page 374

It is BRITISH, and its composition is equal to that of the best Natural Aperient Waters. It yields you a much larger profit, so will

**INCREASE YOUR PROSPERITY**

*Idris & Co., Ltd., Pratt St., Camden Town, N.W.*

THE IDEAL  
TONIC  
**VITAGEN**  
NERVE  
FOOD



Tins  
same weights  
as Sanatogen  
**VITAGEN**  
7/-, 11/=-, 18/=-, 30/=-  
dozen.

**ACETOPIRIN**  
identical with  
**ASPIRIN.**  
Bottles of  
25's and 100's

**FORMALIN-  
MINTS**  
Bottles of 50.

## A Successful Campaign

can be conducted throughout  
the forthcoming year by  
selling these

## Lorimer Productions

They rout the enemy,  
bring satisfaction and  
profit to the seller and  
induce

## Prosperity in 1915.

Write to John Lorimer,  
Balfour House, 119 Finsbury Pavement. London, E.C.

ALL-  
BRITISH  
**LYSOL**

In bottles with Measures.

4 8 16 oz. 1 gall.  
4/3 7/- 12/6 doz. 7/- each

Starch free  
**INFANTS'  
FOOD**  
A Soluble  
Maltese food.

**MALT  
AND MILK  
POWDER  
and  
TABLETS**

**EAU DE BOLOGNE**

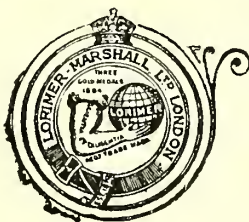
When the City of Cologne belongs  
either to France or Belgium this per-  
fume may again revert to its old name  
of "Eau de Cologne," meanwhile  
patriotic Britons will for many rea-  
sons leave ALL perfumes bearing

**EAU DE BOLOGNE**

the name of Cologne severely alone.  
This City has led in virulent attacks  
on ENGLAND and everything  
BRITISH. Advertising its name  
and chief trade is but playing into  
the enemy's hands.

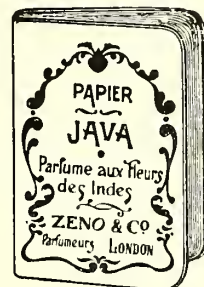
Only terms: Cash with order ex Warehouse.

THIS IS THE  
TOILET ARTICLES



MARK FOR  
AND PACKED GOODS

A Series of Successes such  
as are produced by  
the Lorimer-Marshall  
products means  
Continued Prosperity  
in the New Year.



*The Seasons' Greetings  
to all our Friends*



**LORIMER-MARSHALL, LTD.**

Offices & Showrooms : 12 Tower Hill, London, E.C.  
Works : Coldblow, Hatcham, London, S.E.

1780



1915

*THROUGH ALL THE YEARS  
this mark has been a guarantee of  
purity and stability.*

---

OPIUM ALKALOIDS, FINE CHEMICALS. PURE ANÆSTHETICS. SURGICAL REQUISITES.

---

**XMAS 1914.**

**Specially hearty greeting and  
the best of good wishes to  
our friends in the Chemical  
industry and Pharmacy at  
home and abroad.**

**NEW YEAR 1915.**

---

*J. F. Macfarlan & Co.,*

*Edinburgh & London.*

S. MAW, SON &amp; SONS

7 to 12, ALDERSGATE ST.  
LONDON, E.C.

Maw's



Page.

No. 167

DEC. 26, 1914

GREETINGS

We flash these Greetings  
to you with our Sincere  
Wishes for a Prosperous  
and Progressive New Year

CHRISTMAS 1914

"Parex" Pageant commences January 9.



---

# May, Roberts' Traveller.

---

No. 4023 CITY.

DECEMBER 26, 1914

LONDON & DUBLIN.

---



## MAY, ROBERTS

Feel that the usual Christmas Greetings of Happiness and Goodwill would be out of place this year, but they do most heartily wish that a speedy and successful termination of the War may ensure all their friends a Happy and Prosperous New Year.

---

**MAY, ROBERTS & CO., LTD.** 7, 9 & 11 Clerkenwell Road,  
LONDON, E.C.  
AND 16 WESTMORELAND STREET, DUBLIN.

# Carry on!

**The Watch-Word of our Gallant and  
Undaunted Troops.**

**MUST YOU not also "Carry On"?**

We can assist you to that end, by supplying  
**Your DRUGS, PACKED GOODS,  
SUNDRIES,** and other requisites suitable  
to Prevailing Conditions, at Prices attractive  
to your Customers and profitable to  
Yourself.

**FRANCIS NEWBERY & SONS, Ltd.**

**27, CHARTERHOUSE SQUARE,**

**LONDON, E.C.**

By "carrying on" with  
our co-operation you will  
ensure continued Prosperity  
in the New Year. **HEARTY GREETINGS**  
and Good Wishes to all our friends  
in the Drug Trade.



There is only one  
**OWBRIDGE'S LUNG TONIC**  
and it bears this Registered Trade Mark.

*Xmas 1914*

*New Year 1915*

*If you confine your Cough Mixture  
sales to Owbridge's, it will mean  
satisfaction to your customer and  
profit to yourself.*

*Let us help you with our ingenious  
advertising devices.*



**W. T. OWBRIDGE, LTD., HULL.**

THIS IS HOW  
**"JOHN BULL"**  
 MALT EXTRACT



1901

**HAS GROWN.**

*When ordering, specify  
 "JOHN BULL" BRAND, which, as  
 the diagrams show, is continually  
 growing in popularity amongst the Public,  
 and so ensure a continuation of  
 Prosperity during 1915.*

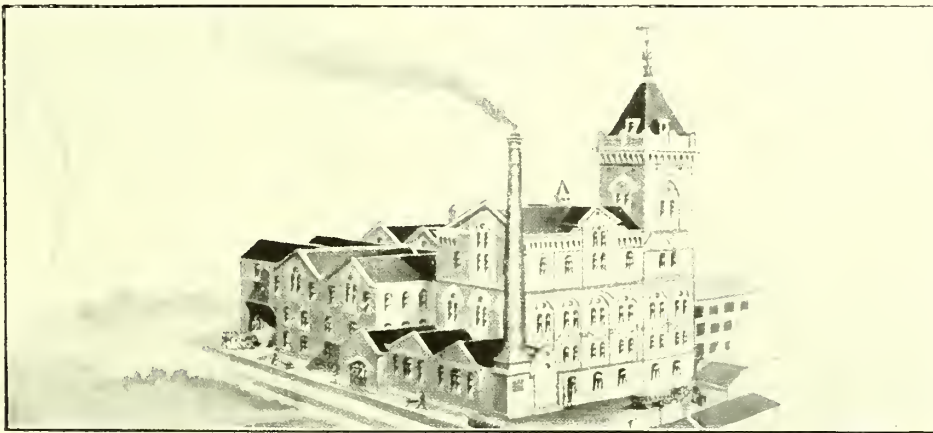
MALT EXTRACT AND  
 MALT EXTRACT & COD LIVER OIL  
 MANUFACTURED SPECIALLY FOR  
 EXPORT TO ALL CLIMATES.

*Wholesale & Export  
 Trade only supplied.*

**PAINE & Co. Ltd., ST. NEOTS, HUNTS.**



1914



Mills, Malt Extract Refinery and Laboratories.



**HERBS.  
ROOTS.  
BARKS.**

**EXTRACTS.  
PACKED  
GOODS.**

**The Season's Greetings  
and the best of Good  
Wishes for a Brighter  
and more Prosperous  
New Year.**

**POTTER'S  
ASTHMA  
CURE.**

*Potter & Clarke,*  
LTD.

*60-64 Artillery Lane,  
London E.C.*

AND

*24 Luna Street, Great Ancoats,  
Manchester.*

**CACHOUS.  
JUJUBES.  
PASTILLES.**

**POTTER'S ASTHMA CURE  
FIVE BARKS JUBES  
FLORAL CACHOUS (all kinds)  
ARNAUD & CIE'S PERFUMES  
ROOTS, HERBS and BARKS (Medicinal and Culinary)**

1845—1915.

*William Ransom & Son, Ltd.,*

*Manufacturing Pharmaceutical Chemists,*

*send their best wishes*

*for a Prosperous New Year*

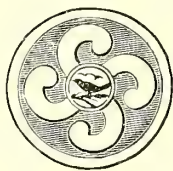
*to all their friends in the*

*Wholesale & Export Trades.*

*Hitchin:*

*December 31, 1914.*

1814



1915

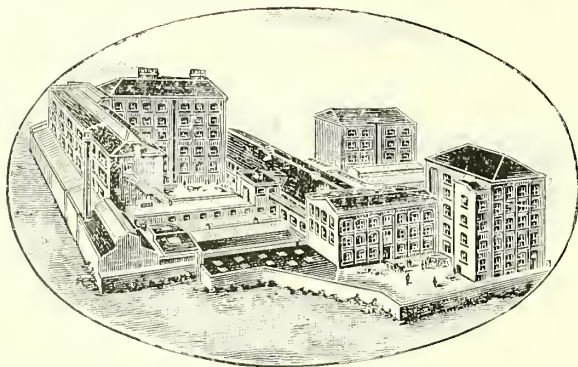
Insure against misfortune,

Assure good fortune,

Ensure prompt dispatch

By Buying from

*Sanger*



258 EUSTON ROAD,  
LONDON.

# T. & H. SMITH LTD



**MORPHINE  
AND  
SALTS**

—  
**Codeine  
and  
Salts**

—  
**Caffeine**

—  
**Strychnine**

—  
**Capsicin**

—  
**Gingerin**

—  
**Salicin**

—  
**Theobromine**

*New Year 1915.*

*Wishing continued  
Progress and  
Prosperity to all  
in the Drug and  
Chemical Trades  
in the forthcoming  
New Year.*

**CHLOROFORM  
PURE,  
B.P.**

—  
**Cantharidin**

—  
**Emetine**

—  
**Ergotin**

—  
**Jalap  
Resin**

—  
**Scammony  
Resin**

—  
**Aloin**

—  
**Podophyllin**

**GRAND PRIX,  
PARIS, 1900.**

**GRAND PRIX,  
BRUSSELS, 1910.**

**GRAND PRIX,  
LONDON, 1908.**

**EDINBURGH**  
BLANDFIELD WORKS

**LONDON**  
22 CITY ROAD E.C.

**GLASGOW**  
37 WASHINGTON ST.

**CHRISTMAS 1914**

**STOCO**  
**OPTICAL GOODS**

*This being the most appropriate  
time for wishing you greater success  
in your business, we offer you the  
soundest possible advice, namely*

*“CULTIVATE OPTICAL SIDE-LINES.”*

**STOCO SERVICE**

*will give you everything you require.  
We have some fine exclusive selling  
lines to help you.*

**Standard Optical Co., Ltd.,  
59-62 Hatton Garden,  
London, E.C.**

Telegraphic Address: "TYREMICUS, STRAT, LONDON."

# Thomas Tyrer & Co.

STRATFORD, LONDON, E. LIMITED

## "Sterling Brand"

**XMAS  
1914**

Though the present  
may be dark, we trust the  
future for Pharmacy and  
the Chemical industry will  
prove much brighter. May  
it be at its brightest in  
the New Year,  
**1915**

1844

1915

GOLD MEDAL, ST. LOUIS, 1904.  
GRAND PRIZE, LONDON, 1909.  
GRAND PRIZE, BRUSSELS, 1910.

*Thomas Tyrer, F.I.C., F.C.S., Managing Director.*

---

## OUR reputation YOUR guarantee

---



**More than ever**

will it be necessary in the forthcoming year to exercise care and judgment in buying and selling.

In order to do this best, do it the "UCAL" way—the way to

**SUCCESS AND PROSPERITY.**

**UNITED  
CHEMISTS' ASSOCIATION, LTD.**

**President :**

W. T. HIND, M.P.S., Clarendon Park, Leicester.

**Directors :**

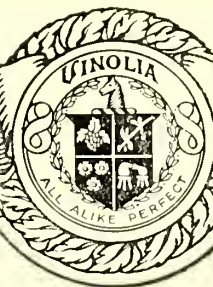
J. GILBERT JACKSON, M.P.S., Sheffield. (*Chairman*)  
 C. C. H. CADGE, M.P.S., Bingham, Notts. (*Vice-Chairman*)  
 A. E. BOLSHAW, M.P.S., Hastings.  
 G. F. BUSHBY, M.P.S., Manchester  
 F. CHERRY, M.P.S., Walton-on-Thames  
 G. W. EVANS, M.P.S., Hammersmith, London, W  
 HAROLD MILLER, M.P.S., Cheltenham. (*Managing Director*)

**Secretary and Registered Offices :**

E. MANNING KEER, F.A.A., 125 Norfolk Street,  
 Sheffield.

**Laboratories and Works :**

Priory Court, Cheltenham.



VINOLIA  
Goodwill Greetings  
FOR  
Xmas 1914 & New Year 1915

No matter what happens,  
the Chemist can always count  
on a steady demand for  
VINOLIA  
TOILET LUXURIES.

They make an attractive  
display, - are easy to sell  
& bear a good living profit.

They help to secure  
**Prosperity & Happiness**  
all the year round.

RV 181-29

VINOLIA CO. LTD.  
LONDON - PARIS.

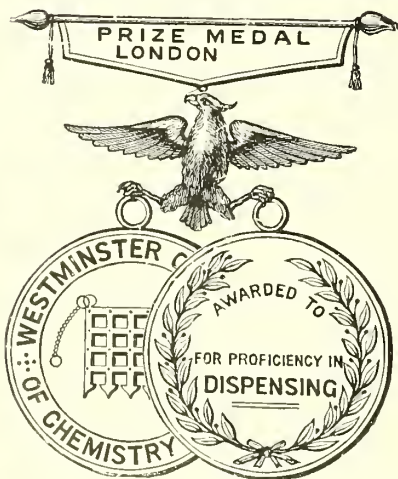
**Westminster  
College**

**THE  
STRAIGHT  
ROAD**

*for success in  
Pharmaceutical Studies  
is here shown.*

*Any student who  
"WILLS" it can  
become an M.P.S.*

*Hearty Greetings  
and Best Wishes  
to all Westminster  
Students, past and  
present, throughout  
the World.*



**Bloomsbury  
Square**

SEE "C. & D" DIARY, 1915, PAGE 68.

*Westminster College of Pharmacy,*

PRINCIPALS G. S. V. WILLS, Ph.C.  
P. H. WOODNOTH, M.P.S.

*402 Clapham Road, London, S.W.*

VALUATION OF  
BUSINESSES.TRANSFER OF  
BUSINESSES.EXPERT  
STOCKTAKERS.

NEW YEAR 1915

# The Expert Stocktaker

is as useful in the war of business as  
the expert military man in the war  
of nations. So as to ensure  
success and prosperity in the  
New Year consult

**Berdoe & Fish,**

35 Jewry St., Fenchurch St.,

**LONDON, E.C.**Income-Tax ?*Refer to page 64 in the 1915 Diary.*

# "Semplolin"

greetings.

## PETROLEUM PREPARATIONS

Start the New Year well by ordering a stock of "Semplolin" Preparations, which allow good profits on the selling prices. They are well worth pushing, especially during present shortage of petroleum. Contain the finest Russian liquid paraffin of high specific gravity.

"SEMPROLIN" EMULSION—A delicately flavoured emulsion containing SIXTY PER CENT. of pure oil. Retails at 1/-, 2/3, and 4/-. [P.A.T.A. min.]

"SEMPROLIN" CREAM—A thick cream deliciously flavoured. Contains SEVENTY PER CENT. of the pure oil. Retails at 1/3, 2/3 and 3/9. [P.A.T.A. min.]

*Fill in this Form and post it to us ; or send your label.*

Send Showcards, Counter-wrappers and Booklets for Distribution, post free, to:—

Name.....

Address.....



**William Browning & Co**  
MANUFACTURING CHEMISTS  
4. Lambeth Palace Road, London, S.E.

Telephone: HOP 3217.

Telegrams: "SEMPROLIN, LAMB, LONDON"

THE  
**LONDON COLLEGE  
 OF CHEMISTRY,  
 PHARMACY AND BOTANY,**  
 361 Clapham Road, London, S.W.

With which is incorporated THE SOUTH LONDON SCHOOL OF PHARMACY  
 (founded by Dr. Muter in 1868).

Principal: **HENRY WOOTTON, B.Sc. (LOND.)**

*The Principal sends  
 Greetings to "London" men  
 past and present, and especially to all  
 "Cyanides" serving with the British Army  
 Christmas 1914.*

NEXT TERM BEGINS JAN. 6, 1915.

19

*Seasonable Greetings  
 to all our  
 Druggist Friends.*

15

**CORK TROUBLES** during the forthcoming  
 year should be **CAREFULLY AVOIDED.**

The well-finished, clean cork is the stamp of the good-class Pharmacist. In wishing all our many friends in the Drug Trade at home and abroad a Prosperous New Year, we would remind them once again that we are Specialists in Corks.

**N. W. MITCHELL & SONS, LTD.,**  
 Bouchon Works, Limehouse, E.

"The Cork Firm."

## **MORE NEED THAN EVER FOR**

*careful stocktaking and valuation at regular intervals during the forthcoming year. Profits must be watched in view of higher prices and other trade difficulties to ensure a continuation of prosperity.*

### **ORRIDGE & CO.**

**56 LUDGATE HILL, E.C.**

Messrs. ORRIDGE & CO. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.** Messrs. ORRIDGE & CO. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

## **SUTTLEY & SILVERLOCK, Ltd.**



Sincerely wish their many friends

The Compliments of the Season,

And express the hope that

Peace, Health and Good Fortune

May wait upon each one during

The days of Nineteen Hundred and Fifteen.

**BLACKFRIARS ROAD, LONDON.**

## Success

Full, complete and satisfactory is the outcome of the use of a tin of Rodine Rat Poison, and a year of like Success and Good Trade and Prosperity in 1915 is the hearty wish to all Agents and Chemist friends of

**Thomas Harley**

Manufacturing  
Chemist,  
PERTH, Scotland

Export Agents:—

Tozer, Kemsley & Fisher,  
Ltd.,  
84 Fenchurch St., London,  
E.C.



## Liverpool School of Pharmacy

*The Principal,*  
**H. HUMPHREYS-JONES, F.C.S.**

*sends his greetings and  
best wishes to all Past,  
Present and Future  
Students at Home, on  
the Continent of Europe  
and all over the World.  
May they be protected  
whilst fighting for our  
King and Country, and  
experience Success and  
Prosperity in study and  
business during the  
New Year.*

See Page 70. "C. & D." Diary, 1915.

The good we do by giving is the good done by the gift. Give your friend or relative as a Christmas Present a Course at the Northern College of Pharmacy. Course begins January 4. Send for Prospectus to-day. Why not give an employee or friend our Postal Training—inexpensive, concise, modern? Send for booklet about it, "By the Independent Route."



**NORTHERN COLLEGE OF PHARMACY**  
100 & 102 Burlington Street, MANCHESTER.



The Season's Greetings  
and  
My Heartiest Wishes  
to  
all friends for a Record  
Turnover in the Coming  
Year.

**THOMAS SWALES,**

*Druggists' Sundryman,*

24 BUTT'S COURT, & 89 ALBION ST.,  
LEEDS.

Telephone Nos.: Central 3702 and  
Headingley 406.

# IT PAYS TO PLEASE

IN the foregoing pages practical illustration is given of the friendly relations existing between many Drug Trade Manufacturers and Wholesalers and their clients.

Instead of the individual distribution of "Christmas Compliments" once in vogue (which cost a lot of money to produce and more to distribute) the modern business man advertises his cheery greetings in "The Chemist and Druggist."

By this means not only does he please the customers he already has, but the originality of his greeting and the sense of friendliness serve to attract new buyers from all parts of the world.

Apart from the merely commercial aspect, however, the cynical maxim, "No sentiment in business," has never held good in Pharmacy.

It has long been recognised that sound business principle includes sincerity in feelings as well as in goods. The successes of to-day are the result of mutual goodwill between buyer and seller leading to a mutually advantageous co-operation in marketing. Friendliness between manufacturer and distributor, together with a restless spirit of progress, make an ideal business combination.

It is only necessary to glance through the announcements in these pages to realise how thoroughly that combination is understood by "C. & D." advertisers.

In spite of an abnormal National struggle, no fewer than fifty drug-trade firms have this year participated in this pleasant custom.

The next opportunity for advertising in this way will be in the issues of

## THE CHEMIST AND DRUGGIST

for

DECEMBER 18, 1915

DECEMBER 25, 1915

JANUARY 1, 1916

It will be observed that the announcements in this booklet have been arranged, so far as possible, in the alphabetical order of the firm-names of advertisers. An index (giving particulars of the various issues of "The Chemist & Druggist" in which these announcements have appeared) is printed on the back of this cover.

All particulars with regard to advertising are dealt with by

Telegrams:  
CHEMICUS, CANNON,  
LONDON  
(two words)

*The Publisher*  
THE CHEMIST AND DRUGGIST  
42 CANNON STREET  
LONDON  
E.C.

Telephone:  
CENTRAL 3617  
(three lines) 2

ADELAIDE, MELBOURNE, & SYDNEY, AUSTRALIA.

# INDEX.

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| BAISS BROS. & STEVENSON, LTD. ...      | 4 ...         | December 26, 1914                  |
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| BRONNLEY, H., & CO., LTD. ...          | 8 ...         | January 9, 1915                    |
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| SWALES, THOMAS ...                     | 44 ...        | December 19, 1914                  |
| TYRER, THOS., & CO., LTD. ...          | 37 ...        | December 19, 1914                  |
| UNITED CHEMISTS' ASSOCIATION, LTD. ... | 38 ...        | Dec. 19 & 26, 1914, & Jan. 2, 1915 |
| VINOLIA CO., LTD. ...                  | 39 ...        | December 26, 1914                  |
| WESTMINSTER COLLEGE OF PHARMACY ...    | 40 ...        | January 2, 1915                    |